

MONARCH

WATCH

2001 SEASON SUMMARY



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Monarch Watch is a cooperative network of students, teachers, volunteers, and researchers dedicated to the study of the biology of the monarch butterfly, *Danans plexippus*. Our goals are to further science education, particularly in primary and secondary school systems; to promote the conservation of monarch butterflies; and to involve thousands of students and adults in a cooperative study of the monarch's spectacular fall migration.

The project is directed by Dr. Orley R. "Chip" Taylor (Entomology Program, University of Kansas).



Monarch Watch wishes to thank all members, taggers, participants, and contributors. We appreciate your enthusiastic cooperation and assistance in furthering the goals of this program.

Thank you to all the staff and students at KU who so ably assist with the day-to-day activities of this program - Jim Lovett, Cathy Walters, Sarah Heimovics, Sarah Schmidt, and the entire Critter Crew.

A special thank you goes out to all of you who send us cards, letters, photographs, news clippings, and other neat stuff. It is really exciting for us to see Monarch Watchers in action, and it is very rewarding to learn of the positive experiences that people have with Monarchs and Monarch Watch.

On the cover: A small sampling of the monarch tags recovered in Mexico during the 2001 season. Due to the catastrophic mortality (see pages 4, 9, and 11) caused by the January 2002 storm in the area of the monarch overwintering sites in Mexico, Monarch Watch had a record number of tag recoveries (see pages 19-50 for complete recovery data).

This publication is funded by tagging memberships, tax-deductible contributions to Monarch Watch and a grant from the Kansas Department of Fish and Wildlife. This year's summary was authored and prepared by Orley R. Taylor (Entomology Program, University of Kansas), Jim Lovett, Cathy Walters, and Sarah Schmidt. © 2002 by Monarch Watch. All rights reserved.

INTRODUCTION

The big storm of mid January 2002 was the dominant event of the year; therefore, it is also the dominant feature of this Season Summary. The extraordinary number of tags recovered this past winter, as a consequence of the storm, dictated the content of this publication. Cover to cover we work with 68 pages and this year 32 pages are devoted entirely to the tag records. It will be some time before we can analyze the data from these tags in detail but a preliminary analysis (**page 16**) shows that the monarchs from all areas east of the Rockies are dispersed randomly among the various monarch colonies in Mexico. These records also produced some interesting recoveries.

The storm in Mexico was an exceptional event and was perhaps the strongest, most widespread, and most devastating winter storm to affect the monarch colonies since the colonies became known to science in 1975. We would know much less about this event if it were not for Dave Kust, a teacher who took his family to Mexico in October 2001 to study monarchs. Dave visited the colonies at Chincua and El Rosario immediately after the storm and it was his accounts that alerted many of us to the developing devastation of the overwintering monarch population. You will find an article in this issue describing a portion of Dave's role in the events that followed the storm (**page 14**).



Subsequent to the storm it seemed likely that it would take more than one year for the monarch population to recover to normal overwintering numbers and this seems to be the case. The population during the winter of 2002

should be lower than in 2001. For a summary of the changes in the population over the last 18 months see **page 4**.

Among these pages you will find most of the features we have incorporated into past Season Summaries such as estimations of the population size (**page 6**), challenges to students (**page 64**), featured milkweeds (**page 54**), monarch crusaders (**page 61**), some guest articles and numerous text boxes with pertinent odds and ends.



Why the Season Summary is Late

We apologize for the lateness of the Season Summary. It is our intention to write the text for this publication from February to April each year and to have the copy ready for the printer in May. However, we couldn't keep to this schedule this year. By April it became clear that, due to a variety of circumstances, Monarch Watch was \$30,000 in the red. Not only did we not have the money to publish the Season Summary, but our very existence was threatened. We had no recourse but to put all projects aside, including the Season Summary, while we attempted to restructure and to get our finances back in the black. Our restructuring has involved the development of a partnership with HomeEarth to handle our orders and increase our customer base (see **page 51**), a reduction of staff from three full-time people to two, and a reduction of expenditures. These changes have been difficult but the finances, while not rosy, are coming around and we don't anticipate the same end of year financial woes this coming

spring.

Personnel - My Thanks

Through the years I've been fortunate to have an excellent full time staff at Monarch Watch. This past year the staff has consisted of Jim Lovett, who does just about everything and is able to find things I've lost or misplaced, Cathy Walters, who handled many of the office chores and managed the critter crew and Sarah Heimovics, who handled the orders and managed the tagging database. Cathy is now a beginning graduate student in the Botany program at Texas A&M, while Sarah is starting a graduate program in bird behavior at the University of Wisconsin. We thank them for their hard work on behalf of Monarch Watch and wish them well in their new endeavors. Because we were only able to hire one person to replace Cathy and Sarah we conducted a rigorous search for someone who could do it all and we found her. Sarah Schmidt, newly graduated from Truman State University in Kirksville, Missouri, joined our staff in June and it is Sarah's voice who you will hear on the answering machine or who may be answering your calls or emails. We are very pleased to have Sarah with us.

A handwritten signature in cursive script that reads "Orley R. Taylor".

Orley R. "Chip" Taylor
Director, Monarch Watch

Each year it becomes more difficult to choose among the possible items to include in this annual summary. We apologize if your favorite topic has not been covered and we welcome your suggestions for future summaries. Please feel free to contact us anytime by any means listed on the back cover of this publication. Thanks!

MONARCH POPULATIONS

by Chip Taylor

In each Season Summary and Premigration Newsletter, I provide a qualitative assessment of the condition of the monarch population in eastern North America. These assessments are based on reports received from our email discussion list, emails, faxes, phone calls, letters, and my personal experience. Those of you subscribed to the monthly email updates (see page 66) will recall that each of these updates has some reference to the status of the population. These reports are a reflection of what I know about the population but also, by their generality, reflect the limits of our knowledge of monarch populations. I wish to emphasize that the assessments are always qualitative. Quantitative data on population sizes, as well as birth and death rates throughout the year, are needed to establish the annual dynamics for this species. Development of a sound environmental policy to sustain monarch populations will depend on our ability to distinguish between mortality due to natural factors and that attributable to human effects on the environment.

Fall 2001

The monarch migration in the fall of 2001 was remarkable in many respects. Throughout the breeding season the monarchs made a remarkable recovery from the all time low population of the previous winter (2.83 hectares for all overwintering colonies). The conditions during the migration were excellent and taggers were more successful than in any previous season - tagging an estimated 105,000 monarchs! The fall weather was mild through most of November and even into December resulting in many late season observations. The monarchs even arrived a bit early in the vicinity of the overwintering sites and Dave Kust (see page 14) reported large numbers of monarchs near Anganguo on the 27th of October.

The conditions leading to the decline in 2000 and low overwintering population in the winter of 2000 were severe droughts in Texas and widespread late spring droughts in the Midwest as the monarchs were moving into the main breeding areas. These conditions resulted in a relatively small fall population that was further stressed by hot, dry conditions during most of the migration. The recovery data suggested that these conditions resulted in high mortality of the migrants. Due to the low overwintering population and late winter storms that killed large numbers of monarchs, the number of returning monarchs in the spring of 2001 seemed to be at an all time low. Yet the population recovered. In the October 2001 Update, I provided this explanation for the "Great Recovery of 2001":

"The explanation appears to be weather extremes and fire ants. Severe droughts not only affect monarchs but all other insects that feed on soft bodied insects - such as predatory and parasitic wasps, and fire ants. In most instances, populations of predators and parasites decline even further than those of their prey - and recover more slowly. The droughts in Texas (2000) were followed by heavy fall rains, rain throughout the winter, and even good spring rains. The result was a lush spring in Texas and one with relatively few predators and parasites. Monarchs and numerous other butterflies that migrate out of Texas in the spring produced enormous numbers of offspring that migrated into the Midwest in May and June. The numbers of monarchs were sufficient to recolonize nearly all of the breeding area even up to 50 degrees N (Winnipeg) and reproduction was normal to above normal in most of the breeding areas throughout the summer."

The fall population was large and overwintering population in 2001/2002 was 9.35 hectares. This was indeed a great recovery.

Winter 2001/2002

The winter was characterized by catastrophic mortality, controversy, publicity, new insight on the size of the popula-

tion, heightened concerns for the persistence of the eastern monarch population, and increasing efforts to protect the forests by the Mexican government and the World Wildlife Fund Mexico.

In the November 2001 Update, based on reports from taggers and my previous experience, I predicted that the overwintering population would be roughly 80-100 million monarchs. I was assuming that this would mean 8-10 hectares of overwintering monarchs based on the previous estimate used by Lincoln Brower and Bill Calvert of 10 million monarchs per hectare. As it turns out, I should have predicted hectares rather than millions of monarchs and I will do so in the future. The overwintering population measured by Eligio Garcia was 9.35 hectares, but this did not represent 93.5 million butterflies, as we would have estimated in previous years. Rather, the total hectares represented 200 to 500 million monarchs! This is an astonishing number and a shift from an estimate of 10 million per hectare to estimates of 20-50 million per hectare.

The shift in our perspective of the number of monarchs per hectare comes from the counts of the dead butterflies that littered the forest floor after the spectacular winter storm of mid January. The storm and its aftermath are described in detail on our website at www.MonarchWatch.org/news/. Suffice to say that the mortality observed subsequent to the storm was unprecedented and that an estimated 70-80% of the overwintering monarchs were killed as the result of being wetted and then subjected to three nights of subfreezing temperatures. The estimate of the proportion killed and the numbers per hectare come from the efforts of Lincoln Brower, Dave Kust, Eduardo Rendon and others who counted the dead butterflies in small plots. These data were extrapolated to numbers dead per square meter and numbers per hectare. Counts were made at two sites,

one at Sierra Chincua (about 20 million) and the other at El Rosario (over 50 million). These are rough figures and Brower, et al., will publish the final estimates at a later date. It is clear from these preliminary figures that the density of monarchs varies from site to site and therefore it is difficult, and probably inappropriate, to use a single figure such as 10 million to represent the average number of butterflies per hectare. Clearly, there is much to learn about the density of the butterflies in relation to specific sites and the structure of the forest.

Among the dead butterflies were literally tens of thousands of monarchs tagged the previous fall. Some of the local residents, aware that we offered 50 pesos for each recovered tag, began to search among the dead butterflies for tags. The result was almost 2000 recovered tags - an all time high. In fact, more tags were recovered last winter in Mexico than in all previous years combined. The data from these recoveries can be found on pages 19-50.

Spring 2002

In the March Update I estimated that 2.5-3.5 hectares of monarchs (27-37%) survived the winter. This was based on post storm assessments of the butterflies still alive at Sierra Chincua and El Rosario and extrapolations of the potential mortality at other sites. This is a rough estimate, but it seems reasonable given the information available. Actually, the number of monarchs surviving the winter of 2002 was greater than in the spring of 2001. The prospects for recolonization of eastern North America this spring seemed to be better than in 2001. However, I was concerned about the conditions that would be encountered as the first returning migrants moved into Texas. Soil moisture was lower than in 2001 due to lower rainfall through the winter and the fire ants were making a recovery in several areas of the state. As migrants returned, the numbers appeared to be good and there were many reports throughout Texas of good, even high, numbers of

monarchs. However, as the spring progressed there was little or no rain, the vegetation was stunted and flowers were relatively scarce. The offspring of the migrants that move into Texas from Mexico in March and early April begin moving north in late April with the first new butterflies moving north of 40 degrees north during the first week of May. It is this flight of monarchs that largely determines the number of reproductives reaching the northern breeding areas in the Midwest. In some years this flight is extraordinary, as it was in 2001, and in others, such as this past spring, the numbers were low. This year the numbers of monarchs reaching the northern states and Canadian provinces was low and the monarch appeared to be late. Whether they were actually late or not is hard to tell, since low densities by themselves generate late observations. The size of this first generation coming out of Texas appears to be a key factor in determining the magnitude of the fall migration. If the numbers coming out of Texas in May are high, or low, the fall population tends to reflect these numbers. However, late summer droughts and extremely high temperatures in the northern part of the breeding range can blunt a good start in the spring in Texas. But, this is less common than poor spring conditions in Texas.

Summer 2002

Monarchs have been reported from most of the breeding areas in the northern states and Canadian provinces. Many reports indicate that the monarchs arrived 1-3 weeks later than last year. The numbers of early monarchs were low, but this is usually the case for many portions of the northern breeding range early in the season. The summer reports were not overly encouraging, but reports prior to the third week of July (when I prepare this report) seldom are. Don Davis posted many of the monarch numbers recorded in 4th of July butterfly counts in eastern Canada to Dplex-L and these numbers were low as well.

Generally, in much of the northern breeding area, it is the eggs laid during

the last 10 days of July and the first 10 days of August that become the adults that migrate in late August and September. Rainfall has been abundant, too abundant in some areas, across the breeding habitats and temperatures have been normal. Milkweed is plentiful and in good condition. If oviposition is high, the weather favorable, and predation low, there is still a good chance for a good fall migration.

Prospects for the Fall Migration

Full recovery of the monarch population from the extreme mortality associated with the winter storm of January 2002 will take more than one year. Although good numbers of monarchs returned in the spring, relatively poor production of first generation offspring in Texas looks like it will result in a smaller fall population than last year, a migration that resulted in 9.35 hectares of overwintering monarchs. Will it be as low as 2000, which produced an overwintering population of only 2.83 hectares? I don't think so. I'll go out on a limb, much earlier than I usually do, and will predict that the population this winter will be about 5 hectares. Although this is lower than the nine-year average of 9.6 hectares, it is still a good number of butterflies.

What will this mean for tagging? Actually, it may mean very little. More monarchs were tagged in 1998 (65-80K) than in 1999 (63-74K), yet the population was almost twice as large in 1999. In 2001, with the lowest number of migrants we've seen to date, our participants tagged 63-79,000 monarchs. Tagging success seems to be more dependent on the weather conditions, and the determination of the participants at the time the Monarchs are moving through a region rather than on the absolute number of butterflies. Let's hope for a good migration and enjoy tagging - it's lots of fun. The data collected through your participation in this program contributes to our overall understanding of the monarch population. ■

MONARCH POPULATION SIZE

by Chip Taylor

I've used tagging data, specifically the recoveries, each of the last three years to estimate the size of the fall migratory population and the mortality during the migration. These estimations are based on a number of assumptions: 1) areas occupied by the overwintering monarch colonies are all discovered and accurately measured; 2) the number of monarchs per hectare does not vary substantially from year to year or from colony to colony and averages 10 million monarchs per hectare; 3) the estimate of the number of monarchs tagged is close to the true number tagged; and 4) a portion (20%) of the tagged and untagged monarchs reaching the colonies drift and die outside the areas under observation.

Based on measures of the numbers of monarchs per hectare by Lincoln Brower and his associates after the storm in January of 2002, we now know that assumption #2 is incorrect. The number of monarchs per hectare is much higher than 10 million and the density of monarchs varies from one colony to another. We do not yet know whether the density varies from year to year at the same site, but this may also be true. These findings confound attempts to arrive at a single estimate for the size of the fall migratory population. All we can do under these conditions is to bracket the possibilities. The only hard figures we have to work with each year are the number of hectares occupied by each of the colonies and all colonies combined. However, the Brower, et al. finding means that if we had two measures of the total population of 5.5 hectares for separate years, the total number of monarchs for each year could be substantially different even though the number of hectares occupied is the same.

The Number of Monarchs per Hectare

If the previous estimate of 10 million

monarchs per hectare is incorrect, what is the correct number? Actually, we still don't know. The density of dead monarchs at Chincua measured 20 million per hectare but at El Rosario the raw numbers indicated over 70 million per hectare. However, at El Rosario, the variance among the samples was extremely high, so it is likely that an estimate of 70 million is too high. But, what are we to do with these figures? If we assume that the El Rosario population was closer to 50 million, do we just add 20 and 50 and divide by 2 and get 35 million as an average per hectare for these sites? What about the outlying colonies? Were the densities higher or lower at these locations? Since we don't know, we have no way of arriving at a meaningful mean number per hectare. Further, the number of surviving monarchs, a number that should be added to the per hectare counts, was not clear for each site. Given this circumstance, I'm going to use four estimates in the following analysis, 20, 38, 56 and 26.5 million per hectare. The 26.5 million represents a mean/hectare achieved by combining El Rosario at 56 million/hectare and all other sites at 20 million/hectare. Because the Brower, et al. data indicates that the densities differ substantially between Chincua and El Rosario, the estimate of the total number of monarchs at El Rosario, the source for most of the tags, will be based on area of the colony at El Rosario relative to the total area adjusted for the difference in density. For example, let's assume that the density at all other sites was 20 million and that at El Rosario it was 50 million and that the area for El Rosario was .40 of the total of all colonies. For simplicity, let's say the total is 10 hectares with 6 hectares for other sites and 4 for El Rosario, then $6 \times 20 = 120$ million and $4 \times 50 = 200$ million for a total of 320 million of which the El Rosario contribution is .62 rather than .40. In other words, the monarchs at El Rosario make up a much higher proportion of the

population than suggested by area. This is significant for our calculations since most of the tags are collected at El Rosario and our overall estimate is based in part on the prediction of the number of tagged monarchs that survive the migration to reach this colony. Demographers would describe this number as the number of tags at "risk" of being found.

Area Occupied by the Overwintering Colonies in 2001

The total area occupied by monarchs this past winter was estimated by Eligio García Serrano (Reserva de la Biosférica Mariposa Monarca) to be 9.355 hectares (1 hectare = 2.2 acres). Of these, 8.41 hectares (89%) were within the Reserve and .945 hectares (11%) were outside the protected area. The monarch colony at El Rosario occupied 2.69 hectares or about 29% of the total area for all colonies. If we assume that the density of the monarchs at all other colonies was 20 million/hectare and that it was 56 million for El Rosario, the proportion of the total monarch population that occupied El Rosario was .53 ($6.66 \times 20 = 133$ million and $2.69 \times 56 = 151$ million = $284 / 151 = .53$). This proportion will be used as the basis for calculations to estimate the size of the migratory population and the mortality during the migration.

Number of Monarchs Tagged and Recovered

During the fall of 2001, Monarch Watch issued approximately 250,000 tags. However, only a portion of the tags were used. There are several ways to estimate the number of monarchs tagged, all of which lead to similar estimates. The most direct method is to utilize the returned datasheets. We average the number of records per page (with several sub-samples) and multiply this by the total number of pages of records.

This method yielded an estimate of 105,000 monarchs tagged in the fall of 2001. Due to the extraordinary mortality that resulted from the January storm and the diligent search for tags by many residents near the overwintering colonies, 1899 Monarch Watch tags were recovered together with 31 tags from other programs. Since we don't know the number of monarchs tagged in these programs (page 50), the calculations will only be based on the Monarch Watch recoveries. The estimates each year are usually based only on the recoveries at El Rosario since there are too few at other locations. This year there were 1387 recoveries at El Rosario and another 305 from Chincua. Both of these numbers will be used independently to generate estimates of the size of the fall population.

Survival of Tagged Monarchs

If we tagged 105,000 monarchs, these monarchs arrived at random at all of the colonies (as suggested from the isotope study, Wassenaar and Hobson 1998), and El Rosario contained 53% of all the overwintering monarchs, the maximum number of tagged monarchs at El Rosario would be 55,650. Similarly, in Chincua (where there were two colonies with a total of 4.32 hectares and an estimated density of 20 million for one of these) if we assume that both sites had the same density, the 4.32 hectares constitutes 30.4% of the population. The number of tags expected for Chincua is therefore $.304 \times 105,000 = 31,920$. Each of these numbers represents the maximum number of tags expected at each location, based on the assumption that all the tagged monarchs survive to reach these overwintering sites. Of course, a portion of the monarchs do not survive the migration so part of the challenge is to arrive at an estimate of the mortality during the migration.

Search Effort

The most elusive bit of information needed to make good estimates of the size of the population is the number of

untagged butterflies for each tagged butterfly at the overwintering sites. In normal mark and recapture studies the organisms are actually recaptured and the number of unmarked individuals can be counted. In this case, people simply search through unknown numbers of dead, and sometimes living, butterflies to find tags and there is no way to count the number "viewed" for each tag recovered. To compensate for this inadequacy, previous estimates have been based on the approximations of the search effort and the portion of the total population "viewed" in the course of the recovery season. This year we have one count to work with - a starting point at least. In the study by Brower, et al. 17,461 butterflies were found in the various random samples. None of these were tagged suggesting that the number of untagged to tagged is in the 10s of thousands. This is a vague conclusion but it may be useful.

Size of the Migratory Population

Since we now know that the density of monarchs varies from colony to colony and perhaps from year to year, how can we arrive at an overall estimate of the size of the overwintering population? At this time, there is no way to estimate the density of each colony as it is being measured. All we can do is use an overall mean or make an adjustment for the densities of colonies in those cases where densities can be estimated. The total area for all colonies combined is 9.355 hectares. Therefore, if the mean were 20, 38, or 56 million butterflies per hectare the total populations would be 187, 355, and 524 million respectively. The Brower, et al. estimates for Chincua and El Rosario are 20 and 65 million. The latter estimate appears to be too high. There are 29 samples in the data set for El Rosario and the variance among the counts is extremely high. Two of the samples, the highest and lowest values, represent 26% of the mean and if the mean is recalculated without these samples, the value obtained is 56 million per hectare. This

value will be used in all the calculations. This is a more conservative estimate; if it is incorrect, it simply means that the population and subsequent estimates are low. Combining the density of monarchs at El Rosario ($2.69 \times 56 = 150.64$) with those at Chincua ($4.32 \times 20 = 86.4$) and all other sites (2.34×20) yields a total population of 284 million for the winter of 2001-2002.

This estimate is based on the estimated number of dead monarchs per hectare for only two sites. It does not account for the number of butterflies that survived the storm at Chincua and El Rosario. The two colonies at Chincua measured 4.32 hectares before the storm. According to Eligio Garcia and Dave Kust, the second colony, Llano de Kolas, could not be located after the storm and the assumption was that the survivors combined into one colony of .76 hectares (17.6%) in a more open portion of the forest (downslope from the original colonies). Due to the lower tree density, it seems unlikely that the density of the surviving colony was as great as that of the original colonies. If this scenario is true, the overall mortality at Chincua was higher (82%) than estimated by Brower, et al. (74%). The survivors at El Rosario also moved downslope to a more open forest with an area of .51 hectares (19% of 2.69). Again, the density was probably less in the new area than in the original colonies. On the assumption that approximately 20% of the butterflies survived at Chincua and El Rosario, and perhaps all other sites, we should add this number to our overall estimate. This brings the number of overwintering monarchs to 355 million.

Number of Tags at Risk of Recovery and Untagged per Tag

Critical to the analysis is an estimate of the number of tags at "risk" of being found by those who search for tags. The number of tags at risk is summarized in Table 1.

The table represents a sliding scale of survivorship, tags at risk, untagged mon-

| Survival | FPS | El Rosario** | Viewed*** | Prop. | Chincua** | Viewed*** | Prop. |
|-----------|-------|--------------|-----------|-------|-----------|-----------|-------|
| 100% | 355m | 55,650 | | | 31,920 | | |
| 60% | | 33,390 | 7.82 | 0.041 | 19,152 | 1.72 | 0.016 |
| untag/tag | | 5,639 | | | 5,639 | | |
| 50% | 568m | 16,695 | 15.64 | 0.081 | 9,576 | 3.44 | 0.032 |
| untag/tag | | 11,278 | | | 11,278 | | |
| 25% | 1136m | 8,347 | 31.28 | 0.161 | 4,788 | 6.88 | 0.064 |
| untag/tag | | 22,556 | | | 22,556 | | |

Table 1. Number of tagged monarchs at risk.

FPS - Fall population size; *Assumes 40% tag loss, 20% due to handling, tag drop off, etc. and 20% dead or alive but outside areas of observation and not at risk; **Total populations (in millions) at El Rosario (188.3) and Chincua (108.0); ***Viewed (millions)=recoveries, El Rosario (1387) and Chincua (305), x untagged/tagged. Prop.= proportion of total population.

archs per tag, and the portion of the population that needed to be viewed or scanned by the searchers to recover 1,387 tags at El Rosario and 305 tags at Chincua. The first row assumes that all butterflies tagged survive the tagging and the migration and that all arrive at the colonies. We know this isn't true so we need to estimate the loss of tags that is independent of mortality. Some tags fall off and some butterflies arrive in Mexico (or Florida) but reside outside the colonies and are unlikely to be viewed whether they are dead or alive. For the purpose of these calculations tag loss is estimated to be 40%. If this value were less, say 20%, the effect would be to increase the number of tags at risk and decrease the number of untagged to tagged. Lowering the estimated loss has the effect of decreasing the estimate of the number of monarchs that survived the migration.

As mentioned earlier, the sampling by Brower, et al. suggested that the number of untagged per tag was in the 10s of thousands. If we examine Table 1, the values for the untagged/tag suggest that less than 50% and closer to 25% of the monarchs survived the migration. Survivorship would be less than 25% if tag loss (40%) is substantially overestimated. Using different methods, the previous survival estimates have been '98 (38%), '99 (45%), '00 (26%).

Application of the Method to the Baker-

Haskell Data Set

Can the method be applied to sub-sets of the data and, if so, can this application be used to test basic assumptions? On the 15th of September 2001, 2,650 monarchs were tagged in a four-hour period at the Baker-Haskell wetlands in Lawrence, KS (page 13). Of these, 85 (3.2%) were recovered at El Rosario, Chincua, and Cerro Pelon, in Mexico (p-mixing text). These three colonies contained approximately 91% of the monarch population (258.64/284).

If 40% of the tags are lost or are unavailable for recovery, the number at risk is reduced to 1590 (2650x.6). Further, if only 50% survive the number is reduced to 795 and to 397 if only 25% survive. For 50% survival, the untagged/B&H tag is 323,000 and for 25%, 646,000. It follows that if survival is 50%, to recover 85 tags, 27.4 million butterflies were viewed by searchers or approximately 10.7% of the butterflies at these sites. For 25% survival, 21.4% would have to be viewed.

These seem like large numbers to be viewed and this raises a question concerning the estimate that 40% of the tags are lost or are otherwise unavailable for viewing. What happens if the tag loss is 20% rather than 40%? In this case, 1060 tags would be at risk with 50% survival and 530 if only 25% survived. This reduces the proportion of the population that needs to be viewed to recover 85 B&H tags to 5.3% and

10.6% respectively and seems to be more realistic.

In spite of all these numbers, the size of the overwintering population, the number of the monarchs in the fall migration, and survival during the migration is difficult to establish. The most consistent pattern in the data is the indication that 25-50% of the monarchs survive the fall migration.

To refine all of the estimates, one tedious statistic is needed, the number of untagged/tag. This number will be in the 10s of thousands and will require extraordinary patience and a good sampling procedure.

Acknowledgements

I wish to thank Dr. Lincoln Brower for graciously providing me with access to his pre-publication text of the article on the monarch mortality measured at the overwintering sites following the storm of January 2002. This article will be one of the chapters in the book, *Monarch Butterfly Ecology and Behavior*, to be published by Cornell University Press in 2003. This volume was coordinated and edited by Karen Oberhauser and Michelle Solensky of the University of Minnesota.

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THE BIG CHILL: JANUARY 2002

by Chip Taylor

Once again catastrophic mortality of monarchs at the overwintering sites in Mexico was the dominant news of the year. The following text is a modification of my commentary on this event posted to the web site on 11 February, 2002. The text was written to inform the public and reporters, who, being unfamiliar with monarchs, needed background information.

The reports of the deaths of millions of monarchs at the two largest monarch overwintering sites in Mexico once again confirms the long-held view that the overwintering sites hold the key to the continuation of the monarch migration in eastern North America. Each fall hundreds of millions of monarchs migrate from Canada and the eastern United States to overwinter in Oyamel fir forests high in the Transvolcanic Mountains west of Mexico City. The Oyamel forests provide a cool and moist environment that shelters the monarchs from extreme temperatures, allowing the butterflies to pass the winter in a relatively inactive state. The monarchs form dense clusters on the trees in the forest. On warm days, the butterflies take flight, visiting flowers for nectar and damp areas for moisture. For the most part, though, they are inactive and sustain themselves through the winter by metabolizing fat stored in their abdomen. The forests provide substantial protection for the monarchs and the temperature and moisture changes within the forest are modest compared to the changes that occur in cleared areas adjacent to the colonies. Degradation of the forests at the colony sites is likely to break down this protection leading to higher mortality and greater vulnerability of the clustered butterflies to the occasional snow or freezing rain. It is clear that monarchs require relatively intact forests to successfully overwinter and the challenge is to maintain the integrity of these forests under condi-

tions in which the local residents value the trees as a source of income.

Catastrophic mortality at the overwintering sites occurs from time to time. Historically, most of the weather extremes leading to the deaths of masses of monarchs have been limited to one or a few colonies. Late in the winter of 2000-2001 (2-3 March) a snow and ice storm killed modest numbers of monarchs at the two main colonies, El Rosario and Sierra Chincua, and devastated some of the smaller colonies in the mountains to the east. A cold snap earlier that winter killed hundreds of thousands of monarchs at the San Andreas colony, a site with a badly degraded forest. Initially, the monarch mortality at San Andreas was attributed to intentional spraying by loggers, a claim that created a furor in the press and conservation community.

The Big Storm of January 2002 - a Killing Combination

The most recent monarch die-off was due to a weather pattern of unusual scope and severity. On January 11th 2002, a massive moisture bearing weather system moved from the Pacific into central Mexico. This was unusual since January is typically a dry month in central Mexico. Rain began falling in Ocampo and Angangueo, the towns nearest the El Rosario and Chincua colonies, around sunup on the 12th. By Sunday morning 10 cm of rain was recorded in Angangueo. This was an exceptional amount of rain for this time of year. The rains continued for almost 48 hours, soaking the partially water resistant butterflies. The rains turned to snow late on Sunday afternoon and about 10 cm of snow fell at El Rosario and 5 cm at Chincua. Following the snowfall, the skies cleared and the overnight lows for the next three nights were in the mid 20s. Monarchs are resistant to freezing temperatures down to about 26°F when they are dry, but not

when they are wet. Large numbers of butterflies were found on the ground by Monday morning in piles described as up to 10 -15 cm deep. By Wednesday the 16th, half the El Rosario colony was on the ground with the majority of those butterflies dead or dying. Many were still falling from the trees, a process that continued for the remainder of the winter. Chincua seemed to fair better and by the 16th many butterflies were climbing back up on the vegetation and were flying. The colony at El Rosario, being at the edge of a large deforested area, may have had greater exposure to freezing temperatures than Chincua, which was located in a tall stand of Oyamel fir trees on a more protected slope. The effect of the freezing temperatures on the rain soaked butterflies was more of a factor than the snowfall. When I visited Chincua six weeks after the storm, I wondered how any of the butterflies survived and I can only suppose that some of them were sufficiently protected by the canopy, or were so deep within clusters, that they did not get wet and therefore were less vulnerable to the freezing temperatures.

The Living and the Dead

In the weeks following the January storm, Lincoln Brower assembled a team consisting of Dave Kust, Eduardo Rendon and others to assess the mortality. They visited two colonies, Zapatero at Sierra Chincua and the main colony, Conjeos, at El Rosario. The total areas for these colonies had been determined by Eligio Garcia to be 2.96 and 2.64 hectares respectively. By estimating the area occupied by the remaining butterflies and sampling the dead butterflies in twenty 10 cm square plots (chosen at random) in these colonies, they determined that 74% of the butterflies died at Llano del Toro and 81% at El Rosario. The post storm estimates for those surviving at these sites were .76 and .51 for a total of 1.27 hectares. This is the low-



Thousands upon thousands of monarchs litter the forest floor after the January storm.

Photo by Chip Taylor.

est number of butterflies ever recorded at these sites - this was unprecedented mortality. Further, because of the widespread nature of the storm, it seemed likely that similar mortality had occurred at most of the smaller outlying colonies.

Unfortunately, the number of surviving butterflies for all sites combined was never assessed. In the March e-mail update, posted on the web site, I estimated (based on extremely fragmentary information) that the equivalent of 2.5-3.5 hectares of butterflies had survived, or roughly 27-37% of the original 9.35 hectares measured by Eligio Garcia prior to the storm. Surviving butterflies appeared to be similar in number to those that survived the previous winter (2000-2001) in which the population was at the all time low. The population of butterflies available to recolonize the breeding areas seemed to be sufficient provided that the conditions were favorable, especially in Texas; however, as early as March the drought in Texas seemed as if it would limit reproduction and subsequently the migration in the fall of 2002.

Evolutionary Perspective

The January freeze prompts the question: How important is catastrophic mortality to the overall dynamics of the monarch population? Historically, extremes in the weather are part of the

environmental background in which monarchs evolved. In general, species that occasionally experience high death rates due to catastrophic mortality have high birth rates and therefore the capacity to recover their numbers when conditions return to normal. The monarch fits this pattern. Female monarchs have the ability to produce 400 or more eggs in their lifetime and when conditions are favorable, a sufficient number of larvae survive to the adult stage to replace and even increase the population.

If this is the case, do we really need to worry about catastrophic mortality in monarchs? (Biologists call this “density independent mortality” since the mortality is due to extrinsic events that are unrelated to the density of the population.) In stable environments, catastrophic mortality could depress a population for a short time, perhaps a few years, but we would expect the population to recover. However, habitat degradation, which contributes to the mortality by increasing exposure to weather extremes, could have a longer lasting impact on the population. This is our concern with monarchs. If the forest in the overwintering areas is degraded and this degradation leads to higher than normal attrition of the overwintering monarchs with even higher mortality in snow, ice or freezing rain storms, then the time needed for the population to recover after catastrophic mortality will

increase. Further, if the number of overwintering colonies is reduced due to deforestation, the vulnerability of the population to catastrophic mortality is likely to increase. Biologically, this will be the equivalent of putting all the eggs in one basket and sooner or later catastrophic mortality at the remaining colonies could result in a substantial reduction of the population. Measures of the mortality of monarchs in forests of differing qualities are needed to determine the relationship of mortality to the integrity of the forest and the most favorable conditions for overwintering monarchs.

The extreme monarch mortality cannot be directly attributed to the condition of the forests. The weather pattern from 11-16 January was massive and it was the unusually low temperatures that killed the rain soaked monarchs. This was an unprecedented storm and though it seems likely that the condition of the forests contributed to the mortality, establishing this relationship in a quantitative sense is impossible at this time, since there is no data that shows the relationship of forest structure to monarch mortality. One can only speculate on the role of forest management in this instance. Conversion of landscapes over large areas, such as changing forests to agricultural lands, increases the albedo (reflection of incident radiation) and can result in lower rainfall and greater temperature extremes over broad regions. This may have been a factor. Clearly, the severity of this weather event was unusual and was more extreme than any winter weather recorded since the monarch overwintering sites became known to scientists.

In retrospect, it is fortunate that the January freeze occurred in 2001-2002, a season in which the overwintering population was robust (9.35 hectares). Had this storm occurred in 2000-2001 when the overwintering population was at an all time low (2.83 hectares), it is likely that it would have taken the population many years to return to normal levels (6-12 hectares) of overwintering butterflies. ■

AFTER THE STORM: THE DEAD ZONE

by Chip Taylor

Six weeks after the January storm I visited Sierra Chincua and the monarch colony known as Llano del Toros with Dave Kust. Dave advised me that we needed to arrive early to avoid the crowds and so we could wander through the colony site unhindered by the guides. It was a beautiful clear day for a horse ride up the mountain. I'm not fond of horses or riding, but for monarchs I'll climb on a horse any day. I had been to the same location only three days before the storm. At that time, the open glades along the trail were shimmering with the lights and colors reflected off the wings of thousands of monarchs. This time there was nothing on the move, and as we approached the colony the masses of butterflies that had been in the trees weeks before were gone. These masses were now on the ground. Only a few live butterflies moved or took flight as we walked into this monarch graveyard. Most of these appeared to be weak and unlikely to survive much longer. Lincoln Brower and his team estimated that 74% of this colony had died in the storm. The entire area was covered by dead monarchs, in piles up to eight inches or more in depth. It reminds one of a deciduous forest in the fall with a thick layer of leaves on the forest floor. On the top, the butterflies were still in good condition but as one dug deeper they were beginning to rot. The odor was not as strong as I expected, but it wasn't pleasant. The entire scene was difficult to comprehend. We were standing in the middle of a dead zone - 5.9 acres with a carpet of at least 50 million dead monarchs. This was nature at its harshest and most ironic. How strange it is to travel so far to escape the harshness of northern winters yet to die from a soaking rain and freezing temperatures 2,000 or more miles their points of origin. There were many questions. How often has this happened in the monarch's long history? How long would it take the mon-

archs to recover from this reduction in their numbers? Would more have survived had the trees been older and the canopy denser?

Evidence of the 20-degree overnight temperatures was easily seen. There was very little green in the understory. Most of the vegetation on the forest floor had browned as the result of the low temperatures, and flowers, which can be common in February in these forests, were rare. It was strange to look up in the trees to see masses of dead monarchs still clinging to the branches. At one point, I thought I spotted a mating pair in this desolate scene but as I focused the camera it became apparent that the two butterflies were dead yet still clinging to the tree trunk in a life-like position. Being among this mass of dead monarchs was certainly an emotional and thought provoking experience. Here was catastrophic mortality of an exceptional extreme, some portion due to nature alone and some unmeasured quantities due to large-scale regional changes in vegetative cover and management of this particular forest. It seems clear that we are still a long way from resolving how to manage the forests for the people and the butterflies. Yet, the monarchs will come back and will survive as long as critical habitats, such as these forests, are protected.

As the morning progressed, we moved down the valley to the living - the survivors. Characteristically, the survivors move away from the site of a winter kill, usually down slope. How they survived, we don't know, but approximately .76 hectares of butterflies remained after the storm. This was still a substantial number of butterflies and many were mating and others were gliding through the patches of sunlight between the trees and above the canopy. It was an encouraging site. Arriving at Chincua early was a good idea. On the way down the mountain we encountered literally hundreds of tourists, mostly teenagers from schools in Mexico City, headed up the trails to see the surviving butterflies. The guides did not take them to the original colony site - the dead zone. The trails were narrow near the butterflies and I tried not to think about how the guides were going to manage to keep these masses of people from trampling even more of this beleaguered population.

I still have vivid memories of the masses of dead butterflies seen that day. Neither the pictures I took, nor those I've seen from others, capture the scene or convey the magnitude of mortality experienced by the monarchs at this colony. It's a sight I hope to never see again. ■



Dave Kust kneels in the "monarch graveyard" - the aftermath of a severe winter storm.

Photo by Chip Taylor.

MONARCH WATCH CENTRAL PARK

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Scientists at New York's Annual
"Monarch Watch" Emphasize
Deforestation and Bt Corn Dangers

*by Kurt Johnson (Environmental Dept.,
American Ethical Union)*

Despite the World Trade Center tragedy of September 11, New York City's annual "Monarch Watch" event commenced in Central Park on September 22, with several hundred spectators and numerous representatives of world conservation groups in attendance.

Keynote scientific data at the event was provided by the World Wildlife Fund, whose Mexican division (WWFM) is managing the new conservation strategy on the ground in Mexico, and Dr. Lincoln P. Brower, Monarch expert and chief advisor to WWFM.

WWFM and Mexico's Fondo Mexicana para la Conservación de la Naturaleza have helped the Mexican government design an innovative conservation scheme to protect and restore the unique high-altitude fir forest ecosystem providing critical winter habitat for the Monarch butterfly (*Danaus plexippus* L.). This new conservation scheme includes an innovative new trust fund (the new "Monarch Butterfly Conservation Fund" ["Fideicomiso Monarca" in Spanish]) designed to involve the local populace in the conservation effort. Elements of the plan were outlined in the Winter 2000 of *Lepidoptera News*; legal work on the entity (which will allow the receiving of public donations) is just about completed.

As noted there, an attempt to protect the overwintering grounds was first made in 1986, when a Presidential Decree created the Monarch Butterfly Special Biosphere Reserve which protected 5 separate sanctuaries totaling 16,110 hectares. However, studies showed that between 1984 and 1999,

44% of high quality forest inside the reserve has been degraded, caused mainly by continued and uncontrolled access to forest resources. The annual deforestation rate for this period was 2.41%. It was obvious that the current conservation scheme has

not worked. In November 1997, during the Tri-national North American Conference on the Monarch Butterfly, SEMARNAP (the Mexican Ministry for the Environment, Natural Resources and Fisheries) decided to review the 1986 Decree.

In support of this initiative, different institutions, led by WWFM, advisors like Dr. Lincoln P. Brower, developed a technical proposal for the redefinition of the protected area's boundaries. This proposal was finished in June 2000 and served as the basis for a Presidential Decree that expanded the Reserve, connecting the 1986 sanctuaries in a contiguous corridor of 56,259 hectares. The new Reserve represents a viable solution both from the standpoint of the Monarchs, as well as for the economic well being of the local people that will be directly affected by changes in land use.

Economic incentives for local landowners need to be implemented to achieve successful conservation of the new reserve's forest ecosystem. WWFM and FMCN have established a trust fund that will provide the necessary financial resources to support long-term conservation activities and sustainable forest management by the local communities within the core zone of the new reserve. For the first time in Mexico's history, a conservation trust fund will be created



Kurt Johnson speaking at the 2001 Monarch Watch in Central Park event in New York City, NY. Photo © Deborah Allen.

specifically to offer incentives to local communities affected by the establishment of a protected area, making them integral participants in conservation and sustainable use activities.

Linking a compensation mechanism or an economic incentive system to the declaration of a protected area is an innovative concept in Mexico. Historically, land use limitations imposed by protected areas have given few options to landowners, unintentionally generating illegal resource use and social conflicts. Representatives of the WWFM emphasized that redefining the protected area of the Monarch overwintering sites and offering a compensation scheme to land owners presents a unique opportunity to change the way protected areas are established and managed in Mexico. For more information, lepidopterists can contact: WWF Mexico Program, Av. México #51, Col. Hipódromo, México, D.F. 06100, e-mail: wwfmex@compuserve.com.mx

Dr. Lincoln Brower, who provided comments presented by Dr. Kurt Johnson, emphasized the still unresolved role of genetically engineered "Bt Corn" as a danger to Monarchs in North America. Drawing from comments he recently published in *Orion Magazine*, he noted that the genetically engineered strain of corn known as "Bt Corn" produces pollen that can kill

[continued on page 17]

TAGGING AT THE WETLANDS

Tagging at the Baker-Haskell Wetlands: 15 September 2001

by Chip Taylor

In September of 2000, Monarch Watch and the Jayhawk Audubon Society co-sponsored a tagging event at the Baker-Haskell wetlands, a natural area maintained by Baker University on the south side of Lawrence. Each year tens of thousands of monarchs visit the wetlands during the migration and it is the prime tagging location in this area. The event attracted about 140 participants. Therefore, it was with some enthusiasm that we planned the 2001 event for the 15th of September 2001. In the hope of attracting a few more participants in 2001, we advertised the event extensively and all was going well - and then, the chaos of 11 September. We didn't know what to do. Should we cancel the event? Should we carry on? We decided to carry on and we are glad we did.

The leading edge of the monarch migration arrived in Lawrence on schedule on the 9th of September. Surveys in the evenings of that week revealed only modest numbers of monarchs in the wetlands and it didn't look like there would be large numbers of monarchs to tag on Saturday. On Friday the 14th the weather forecast was bleak. Rain was supposed to start after mid-night and continue through mid-morning. I had visions of a small group of very wet and unhappy taggers on Saturday morning. Fortunately, the rains held off, but the temperatures were low (50s) at the day's start and the skies were threatening. I arrived at 7:30AM expecting to see but a few early taggers. Instead, it was crowded and taggers were signing up at a rapid rate for nets and tags. News soon filtered back to the registration desk from the early taggers that monarchs were abundant in the cottonwood/box elder grove SW of the boardwalk and that many needed more tags. There were rumors of nets filled with monarchs, so

I headed in the direction of the trees to discover that one student group had arrived at 6:30AM and another at 6:45AM. The students were having a busy time and Kylie Moon's students from Olathe East High School had tagged 400 monarchs in the first 30 minutes. The trees were covered with monarchs - there were thousands, many, many, thousands - certainly the largest number of monarchs I had seen in the wetlands since 1997.

By midmorning the monarchs had moved to the abundant sunflowers and Spanish needle (*Bidens*) where they were easy to catch due to the relatively low temperatures. There were many beginners among the tagging participants, yet most were able to catch several to 25 monarchs and many came back for additional tags. By late morning some of the participants who had gotten a late start remarked about the number of monarchs that were already tagged. No doubt the tagging was intense in and around the tree grove and close to the registration area but this is only a small portion of the wetlands. It is likely that there were 10-20 thousand monarchs in the wetlands (500+ acres) on this Saturday morning. The event was

scheduled to end at 11:30AM but taggers were still straggling in at noon - just in time. The rains started by 12:20PM and continued for several hours and the monarchs probably remained in the wetlands for the rest of the day.

The participants had smiles when they returned their nets and data sheets at the registration desk. Most were successful and many saw more monarchs than they had ever seen in their lives. The collecting, tagging, being outdoors, and connecting with the wonders of the monarch migration seemed to provide a welcome respite from the tragic events of the week.

It was hard to count all the taggers but 325 people were registered. The participants ranged in age from 4 to 80 and included school groups, families, university students and nature lovers of all sorts. Many of the participants were from Kansas City and the surrounding suburbs some 30-40 miles from Lawrence. The event was a success and the participants tagged approximately 2,650 monarchs in four hours!

See page 16 for a preliminary analysis of the recoveries of butterflies tagged during this event. ■



This group of students works together to tag hundreds of monarchs at the annual tagging event at the Wetlands.

Photo by Jim Lovett.

Armed with their nets of all shapes and sizes, students search for their next catch.

Photo by Jim Lovett.



MIGRATING WITH THE MONARCHS

by Dave Kust, Breck School, Minneapolis

After twenty years of teaching, I find myself looking for innovative ways to continue exploring curriculum in depth as opposed to just “covering” the material. An ongoing dilemma of a self-contained elementary classroom teacher such as myself is that, because we are responsible for teaching so many different subject areas, it is difficult to delve deeply into any one particular area. We tend to simply scratch the surface of many different topics. This past school year afforded me the time and opportunity to intensely pursue a subject for which I have long had a strong interest and passion.

The subject I refer to is science, and in particular, the study of the monarch butterfly. The time and opportunity was provided by Breck School of Minneapolis, Minnesota, which grants a full year sabbatical for two of its faculty members annually. My sabbatical proposal focused on following the migration of the monarchs and more specifically, studying its overwintering habitat in Mexico. I set out with my wife and

three young children on October 22nd, to Anganguero, the small Mexican village near the heart of the monarch sanctuaries, to reside there, along with the butterflies, from October through March. The journey would prove to be unforgettable.

Settling In

Our first night in Anganguero was spent at the Don Bruno Hotel. The next day was spent house hunting and we were able to secure living arrangements through a local family residing near the center of town. Though we didn't have heat or a refrigerator, the accommodations were spacious and included a kitchen with gas stove and a bathroom with a hot water heater. No matter that we had to flush by turning a doorknob on the toilet tank...we considered ourselves fortunate indeed!

After a week spent acquainting ourselves with the lay of the land, including a trip to see the butterflies, we started the kids at Isaac Arriaga School, located just a few doors down from our house. At the time, Ellie (5), Joseph (7), Katie (9) knew little or no Spanish, so being immersed in this all Spanish speaking school, (in grades one, two, and three respectively), would test their courage and resiliency. The kids did amazingly well, and proved to us that complete immersion in a second language is certainly the best way to learn it.

First Tag Recovery

Our first tag recovery occurred on November 3. The sanctuaries are not open to the public at this time but we had recruited a few boys who lived in the vicinity to guide us up the opposite side of the trail at Rosario. We had visited here once earlier but had seen very few monarchs. On this day, however, we discovered “early arrivals” spending most of their time sunning or puddling in the various seeps and rivulets flowing down the mountain near the Llano de Conejos.

As we took a break for lunch, my youngest daughter, Ellie, wandered off but soon let loose with cries of “TAG!!! TAG!!!” She was standing near a bush pointing excitedly at one of the lower branches. To my surprise, she really had seen a tag on a monarch but to my dismay, the tagged monarch was now flying lazily away from us across the clearing! Fortunately, we were able to track this butterfly over the next ridge where it promptly landed in a mud puddle along with a few thousand other monarchs. We spotted it with the aid of binoculars. Carefully, I snuck up on a cluster of monarchs, which included the one with the tag, and threw my son's sweatshirt over them. A dozen or so monarchs were trapped under the sweatshirt and I proceeded to pull each out carefully hoping to see the tagged monarch. On the fifth retrieval, I had it! 966 IH turned out to be the earliest recovery ever at the overwintering sites, and on a live butterfly no less! We were thrilled! Our first week in Mexico and we had our first tag! This was just the beginning of what was to become the most prolific season in the history of monarch tagging.

The Perfect Storm

In January, I hooked up with Chip and the Monarch Watch crew. I provided some assistance with their school visits and had them over for dinner. Ironically, the day the Monarch Watch van left, it had already begun to rain. We hadn't experienced more than a few days with rain since our arrival in October, and most had been brief showers. Days were clear and sunny, almost carbon copies of each other. I had even wondered, wouldn't it be interesting to experience some “real weather” while living here? Little did I realize that the “perfect storm” had already begun.

The word “perfect” is used here in the meteorological sense. The best selling book (and subsequent movie), “A Perfect Storm”, was so titled because weather conditions combined in a “per-



The Kust family at the door of their house in Anganguero. Photo by Chip Taylor.

fect” manner to create a storm of catastrophic proportions. This was the case on the weekend of January 12-13 in south-central Mexico. It rained almost continuously for 48 hours, turning to snow at the upper elevations in the afternoon of the second day. The rain or the snow, in and of itself, isn’t necessarily fatal for butterflies. However, around 11 pm the night of the 13th, the skies cleared and the temperatures plummeted. Freezing temperatures the next three nights proved to be catastrophic for the monarchs.

The number killed remains controversial, but those who visited the sanctuaries in the following weeks were convinced that a large percentage of the monarch colonies died as the result of the storm. It was striking to see so many dead monarchs in the forest and covering trails, and to see them continue to drop from the trees. On my regular visits to Sierra Chincua and El Rosario, it was evident that, although many monarchs had frozen during the three nights following the storm, many more were dying a slow death as a result of the freezing conditions.

A Funeral

In one of the mortality studies, we counted and sorted over 4,000 monarchs from just 6 small samples taken from Sierra Chincua. Given the drama of the monarch mortality it seemed



Dave Kust examines tags recovered by the local community. Photo by Chip Taylor.

appropriate to hold a ceremony and a portion of the 4,000 (3,362 to be exact) were laid to rest during a symbolic funeral ceremony in the Angangueo Cemetery. I had no idea how many details were involved in arranging a proper burial in town! Fortunately, our ties with the community allowed us to pursue the appropriate steps necessary, and we were able to schedule and successfully carry out the funeral on February 21st.

The ceremony included schoolchildren, the mayor and other local officials, and a marble headstone inscribed in three languages. I concluded the ceremony with some personal remarks and the playing of taps on an old bugle I borrowed from a young boy I met on the street. The inscription, representing the three countries shared by the monarch, is provided below.

En Recuerdo de los millones de Mariposas Monarca fue murieron congeladas por la gran tormenta de enero del 2002

In remembrance of millions of monarch butterflies that froze to death during the great storm of January 2002

A la memoire des millions de papillons qui sont morts geles a la suite de la grande tempete de Janvier 2002

Tag Mania

With the death of so many monarchs, over 200 million by some estimates, it came as no surprise to me that there would be more than a few people combing the woods for tags. However, I was-

n’t prepared for the daily onslaught of “sellers” in the remaining weeks of my time in Mexico. In 1999, Monarch Watch recovered its highest number of tags in Mexico: 689. Last year, Monarch Watch recovered 229 tags in Mexico. By March 1st, I had already helped Monarch Watch purchase 1,232 tags. Yet there were still more tags out there.

At 50 pesos or about \$5.60 per tag, I had to make several trips to Zitacuaro to get money. At one point Chip deposited \$3500.00 into my account for the purchase of tags. In just over one week, that money was gone. I bought more than 1,900 tags for Monarch Watch before I ran out of money and time. That’s nearly 100,000 pesos I paid out, to mostly rural families and children and guides, who spent most of their free time scouring the layers and layers of dead monarchs, hoping to raise their standard of living, in a poverty-stricken society.

Chip Taylor told me, “You were in the right place at the right time.” At the time, I didn’t fully realize the significance of my presence, my connections to the schools, sanctuaries, and community. We departed for Mexico City on March 21st, the first day of spring. We started our own journey north along with many of the monarchs. I now consider it fortuitous indeed, that I was granted my sabbatical that year, and chose the monarch overwintering sites near Angangueo to be the focus of my study. The time spent living there far exceeding my expectations. ■



This urn holds a small sample of the monarchs killed by the storm. Photo by Chip Taylor.

MIXED UP MONARCHS

by Chip Taylor

Do the monarchs in each overwintering colony represent all regions of the country?

One of the frequently asked questions about the overwintering monarch colonies is whether the butterflies in these colonies represent particular areas of the country or whether the colonies are composed of butterflies from all regions east of the Rocky Mountains. Wassenaar and Hobson addressed this question in 1998. In their study, which was facilitated by many Monarch Watch volunteers, stable isotopes of hydrogen and carbon were used to determine the natal origins (birth place) of monarchs at the overwintering colonies. Each butterfly contains a combination of stable isotopes, acquired from the host plants consumed as larvae, characteristic of their region of origin. The isotopes from samples of butterflies obtained from the overwintering colonies showed that the colonies were composed of butterflies from all regions of the country and that each region was similarly represented in each colony.

The extraordinary number of tagged butterflies recovered this year provides us with the opportunity to ask this question again. In all prior years, nearly all the tags were recovered from El Rosario. This year a significant proportion of the tags were recovered from Sierra Chincua and Cerro Pelon. The proportions of the recovered tags were El Rosario .780, Sierra Chincua .175, and Cerro Pelon .045. If the colonies are completely mixed, we would expect to see these same proportions represented in the butterflies recovered from each region of the country. To perform the

analysis, the migratory and tagging areas were divided into 12 regions as shown in the figure below. The numbers within each area represent the tags originating from these regions recovered at the three overwintering sites in Mexico. Chi-square tests were used to determine whether the observed distributions differed from expected. There were no recoveries of monarchs tagged in Region 12 and Region 1 was excluded from the analysis due to small sample size. The observed distributions did not differ significantly ($p = < .05$) from the expected numbers in each region with the exception of region 6 ($p = < .001$). However, this may be due to small sample size since only 12 individuals tagged in this region were recovered in Mexico.

These results confirm those obtained in the stable isotope studies. The monarchs at each colony represent a mixture from throughout the area east of the Rockies. This means that the loss of monarchs at one site due to a catastrophic event, such as a winter storm, will not result in the absence of monarchs in the following season in a particular area of the country. As I pointed out in the "Genetic Structure" article in the 2000 Season Summary (page 38) this also means that the overwintering populations are mixed genetically, a mixing

that continues as the monarchs begin mating in February prior to leaving the overwintering sites. This type of random mixing and mating is referred to as "panmictic mating", a system that reduces the likelihood of population differentiation and specialization across the eastern portion of the continent.

A number of our correspondents have the impression that monarchs fly together to reach the overwintering sites. To accomplish this, the butterflies would have to depart a location and arrive at a new stopping place each day at approximately the same times for the two-month period of the migration. Although this could happen, it seems unlikely. If this were to happen, butterflies tagged the same day and place might be expected to be non-randomly distributed among the colonies. There are many of subsets of the data that can be used to address this issue. The largest data set comes from the tagging done at the Baker-Haskell wetlands on the 15th of September (see page 13). On this Saturday morning at least 2650 butterflies were tagged in a 4-hour period in an area of approximately 40 acres. In fact, most were tagged in a tree grove of no more than two acres. Eighty-five of these tagged butterflies were recovered in Mexico. The observed distribution

| Region | El Rosario | Sierra Chincua | Cerro Pelon | N | Chi Square-p value |
|-----------------------------|------------|----------------|-------------|-------|--------------------|
| 1 | 1 | 2 | 0 | 3 | 0.080 |
| 2 | 615 | 129 | 36 | 780 | 0.771 |
| 3 | 113 | 20 | 8 | 141 | 0.501 |
| 4 | 57 | 15 | 0 | 72 | 0.155 |
| 6 | 5 | 4 | 3 | 12 | 0.001 |
| 7 | 410 | 92 | 28 | 530 | 0.712 |
| 8 | 58 | 10 | 0 | 68 | 0.145 |
| 9 | 23 | 8 | 0 | 31 | 0.262 |
| 10 | 59 | 20 | 4 | 83 | 0.277 |
| 11 | 16 | 5 | 0 | 21 | 0.488 |
| Total # recovered | 1357 | 305 | 79 | 1741 | |
| Proportion recovered | 0.780 | 0.175 | 0.045 | 1.000 | |

among the colonies and that expected if the butterflies were randomly distributed is as follows:

| | El Rosario | Sierra Chincua | Cerro Pelon | total |
|-----------------|------------|----------------|-------------|-------|
| Observed | 67 | 16 | 2 | 85 |
| Expected | 66 | 15 | 4 | 85 |

The difference is not significant ($p = .54$) and therefore it appears that the butterflies from the Baker–Haskell wetlands were distributed randomly among the colonies. There are also several instances, in this and previous years, of recoveries at different colonies of consecutively numbered butterflies tagged at the same time and place.

If the butterflies from all locations and regions have an equal probability of overwintering at any of the colonies, what does this say about how the monarchs arrive in the vicinity of the colony sites and how they locate and sort out among the possible sites? We don't know the answer to this question but the distribution among sites is consistent with the view that monarchs arrive in the general area beginning in late October and then go through days and perhaps weeks of movement within the

mountains until they “settle” in a particular colony. In fact, according to Eligio Garcia, some colonies do not stabilize until December.

Actually, mixing of the monarchs from all sources at the colony sites makes a great deal of sense. Indeed, it would be more difficult to explain a pattern in which the butterflies were not randomly distributed since this would imply a capacity to return to specific sites. Such abilities would also be indicative of genetic subdivisions of the eastern monarch population and there is no evidence of such differences at this time.

P values are above .05 with the exception of region 6 in which the sample size is too small. The null hypothesis, that there are no differences in the distribution of monarchs from different regions among the colonies, can not be rejected.

Wassenaar, L. I., and K. A. Hobson. 1998. Natal origins of migratory monarch butterflies at wintering colonies in Mexico: New isotopic evidence. *Proc. Natl. Acad. Sci. USA*. 95: 15436-15439.

“Central Park” continued from page 12

Monarch Butterfly caterpillars. Contrary to some reports in the news media, these findings (by Cornell University scientists) have not been discounted by reliable research from other quarters, especially research institutions not supported by entities of the agro-industrial sector which have a financial stake in the widespread use of the genetically engineered crops. He noted that the agriculture industry has a history of carelessness with regard to collateral damage to benign or beneficial species that are part of the natural web of life.

He explained that the danger in the genetic engineering strategy is that it inserts various foreign genes into crop plants, in this case a bacterial gene that produces a toxin that kills the target species, the corn ear worm. However, in germination and growth of the genetically modified plants, the inserted DNA expresses itself in every cell - roots, stems, leaves, seed, and pollen of the corn plant all contain the Bt toxin. As a result, when the pollen is deposited by wind onto the leaves of milkweeds, Monarch caterpillars ingest it and can thus be endangered. The Cornell research included mathematical models showing that pollen shedding and Monarch breeding happen simultaneously over considerable geographic ranges and that extensive monarch breeding occurs on milkweed in and around cultivated corn.

Dr. Brower emphasized that a major issue emerging from the Bt Corn debate is the way in which supposedly objective scientific information is influenced by the agro-business sector in a desire to manipulate the federal regulatory processes of the EPA. He said that a long look must be taken by science at the entire spectrum of genetically engineered crops in the future. A danger is that the “willy-nilly” application of these techniques may accelerate the industrialization of agriculture, global overpopulation, and further impoverishment of biological diversity. ■

Insects and Gardens
Eric Grissell
with photographs by
Carll Goodpasture

Insects and Gardens

In an age when we have declared chemical warfare on insects, Eric Grissell presents an excellent introduction to insect appreciation in his new book “Insects and Gardens”. Simply recognizing and eliminating pests will not keep a garden healthy according to Grissell. We must have an understanding of the role of insects in the garden to make better decisions about our gardening practices. With a PhD in entomology, Grissell writes knowledgeably, and often humorously, about the subject and he suggests several ways to increase diversity in our gardens as a means of controlling pests.

With over one hundred extraordinary photos by Carll Goodpasture, this book is an enjoyable and informative read for any gardener. “Insects and Gardens” is available through Timber Press 800-327-5680 for about \$30.00.

2001 MONARCH RECOVERY MAPS

RECOVERIES WITHIN THE UNITED STATES AND CANADA



This map represents monarchs (N=51) tagged in 2001 and recovered at distances of 10 miles or greater within the United States and Canada. Recoveries lacking complete data are excluded (N=12).

See complete recovery data on pages 19-50.

ORIGINS OF TAGGED MONARCHS RECOVERED IN MEXICO

This map represents monarchs (N=1818) tagged in the United States, Canada, and Mexico recovered at the overwintering sites in Mexico during the winter of 2001-2002 (or previously unreported). Recoveries lacking complete data are excluded (N=81).

Tagged in 2001: 1790

*Tagged in 2000: 6

*Tagged in 1999: 9

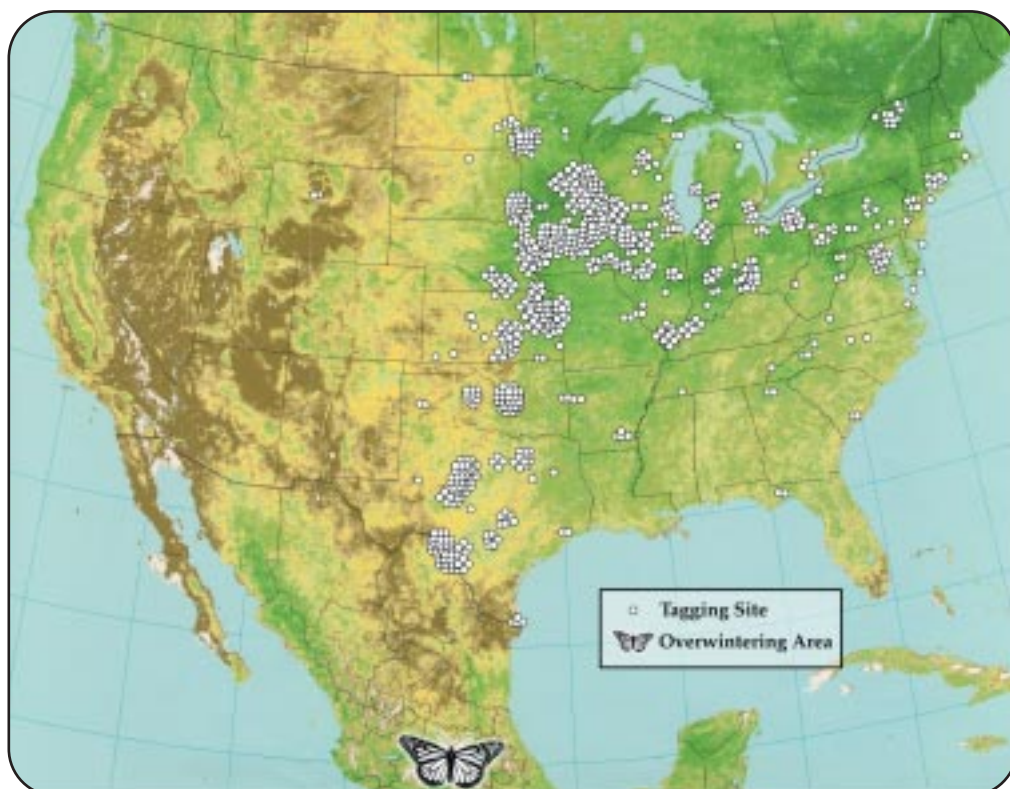
*Tagged in 1998: 3

*Tagged in 1997: 9

*Unknown Tag Date: 1 (139PR)

*Previously unreported or recently acquired from local residents.

See complete recovery data on pages 19-50.



2001 SEASON TAG RECOVERIES

This is a summary of tagged Monarchs recovered during the 2001-2002 season, listed by distance traveled. Due to space limitations, only Monarchs that traveled at least 10 miles are included here. A more complete data set may be found on our Web site. Recovery maps for the United States and Mexico generated using these data appear on **page 18**.

Please help by returning your data sheets. Our objective is to obtain accurate recovery data and use these data to establish the migratory routes taken by Monarchs. The ratio of recoveries to the numbers tagged helps us establish the effectiveness of our program. To obtain information on the numbers of Monarchs that were tagged, we need to have the data sheets returned to us. It is very time consuming and costly to track down recoveries without the data sheets. **Thanks!**

| | |
|---|----------------|
| NUMBER OF MONARCH WATCH TAGGING KITS SENT OUT | ~1700 |
| NUMBER OF MONARCH WATCH TAGS DISTRIBUTED | 250,000 |
| ESTIMATED NUMBER OF MONARCHS TAGGED (BASED ON RETURNED DATA SHEETS) | 105,000 |
| NUMBER OF MONARCH WATCH TAGS RECOVERED WITHIN THE UNITED STATES AND CANADA | 51 |
| NUMBER OF MONARCH WATCH TAGS RECOVERED IN MEXICO | 1899 |
| TOTAL NEW MONARCH WATCH RECOVERIES REPORTED IN THE 2001 SEASON SUMMARY | 1962 |

| Tag No. | Tagger | Tag Location, Date | Report Date, Location | Reporter | Miles |
|---------|----------------------------------|----------------------------|-----------------------------------|------------------------------|-------|
| AAD929 | Stephen & Joyce Haydock | Salisbury, MA 09-12-01 | 02-11-02 El Rosario, MICH, MX | Diego Castro Raiz | 2344 |
| AAD844 | Stephen & Joyce Haydock | Salisbury, MA 09-12-01 | 03-08-02 Sierra Chincua, MICH, MX | Diego Castro Raiz | 2343 |
| AIO261 | Michael La Fontaine | Champlain, NY 09-24-01 | 03-13-02 El Rosario, MICH, MX | Guillermina Martinez Cruz | 2329 |
| AAU820 | Janet Mihuc | Plattsburgh, NY 08-29-01 | 02-27-02 El Rosario, MICH, MX | Alejandro Garcia | 2315 |
| ABG581 | Daniel Jenkins | Saranac Lake, NY 09-16-01 | 03-13-02 El Rosario, MICH, MX | Carmen Garcia Martinez | 2303 |
| ABG221 | Daniel Jenkins | Saranac Lake, NY 09-08-01 | 02-26-02 El Rosario, MICH, MX | Christobal Garcia Dominguez | 2303 |
| ABG174 | Daniel Jenkins | Saranac Lake, NY 09-06-01 | 02-20-02 El Rosario, MICH, MX | Diego Castro Raiz | 2303 |
| ABG728 | Daniel Jenkins | Saranac Lake, NY 09-02-01 | 03-12-02 El Rosario, MICH, MX | Leonardo Garcia Martinez | 2303 |
| ABG152 | Daniel Jenkins & Asher Blackmore | Saranac Lake, NY 09-04-01 | 02-21-02 El Rosario, MICH, MX | Romero Garcia | 2303 |
| AAE025 | Karen Holmes | Middleboro, MA 09-08-01 | 01-11-02 Sierra Chincua, MICH, MX | Salvador Soto Rosados | 2301 |
| ABG242 | Daniel Jenkins | Saranac Lake, NY 09-09-01 | 02-26-02 Sierra Chincua, MICH, MX | Herman Medina | 2299 |
| ABG617 | Daniel Jenkins | Saranac Lake, NY 09-19-01 | 03-03-02 Cerro Pelon, MICH, MX | Elida Morcha | 2285 |
| AAX153 | Pamela Smith | Potsdam, NY 08-21-01 | 01-11-02 El Rosario, MICH, MX | Ramiro Garcia Martinez | 2257 |
| AAS129 | Donald Davis | Presqu'ile, ONT 09-04-01 | 02-26-02 El Rosario, MICH, MX | Miguel Angel Martinez Garcia | 2251 |
| AAS072 | Donald Davis | Presqu'ile, ONT 09-04-01 | 02-20-02 El Rosario, MICH, MX | Diego Castro Raiz | 2251 |
| AAR862 | Donald Davis | Presqu'ile, ONT 09-02-01 | 02-21-02 El Rosario, MICH, MX | Hugo Garcia | 2251 |
| AAR567 | Donald Davis | Presqu'ile, ONT 09-01-01 | 02-28-02 El Rosario, MICH, MX | Simon Garcia Garcia | 2251 |
| AAR589 | Donald Davis | Presqu'ile, ONT 09-01-01 | 02-27-02 El Rosario, MICH, MX | Emerido Garcia | 2251 |
| AAR584 | Donald Davis | Presqu'ile, ONT 09-01-01 | 02-26-02 El Rosario, MICH, MX | Enrique Martinez | 2251 |
| AAR744 | Donald Davis | Presqu'ile, ONT 09-01-01 | 01-29-02 El Rosario, MICH, MX | Dave Kust | 2251 |
| MT128 | Donald Davis | Presqu'ile, ONT 09-01-97 | 02-26-02 El Rosario, MICH, MX | Salvidor Soto Posadas | 2251 |
| AAS065 | Donald Davis | Presqu'ile, ONT 09-04-01 | 03-06-02 Sierra Chincua, MICH, MX | Sergio Valdez Martinez | 2247 |
| AAR830 | Donald Davis | Presqu'ile, ONT 09-02-01 | 02-26-02 Sierra Chincua, MICH, MX | Diego Castro Raiz | 2247 |
| AAR768 | Donald Davis | Presqu'ile, ONT 09-02-01 | 02-20-02 Sierra Chincua, MICH, MX | Diego Castro Raiz | 2247 |
| AAR646 | Donald Davis | Presqu'ile, ONT 09-01-01 | 03-06-02 Sierra Chincua, MICH, MX | Angela Gonzalez | 2247 |
| AFG021 | Robbie Marshall | Old Saybrook, CT 09-05-01 | 02-28-02 El Rosario, MICH, MX | Juan Carlos Garcia | 2219 |
| AFF971 | Robbie Marshall | Old Saybrook, CT 09-01-01 | 03-06-02 Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 2216 |
| AAI814 | Richard Chyinski | Madison, CT 09-15-01 | 03-09-02 El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 2209 |
| AAI898 | Richard Chyinski | Madison, CT 09-15-01 | 02-26-02 El Rosario, MICH, MX | Javier Garcia Dominguez | 2209 |
| AAK352 | Ruth Gaffey | Wallingford, CT 08-21-01 | 03-12-02 El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 2206 |
| AAI918 | CT Butterfly Association | Madison, CT ? | 01-08-02 Sierra Chincua, MICH, MX | Nancy Newman | 2205 |
| AAD362 | Evelyn Detlefsen | Bethlehem, CT 09-02-01 | 02-26-02 El Rosario, MICH, MX | Enrique Martinez | 2197 |
| AJD392 | Daniel Carmody | West Haven, CT 09-20-01 | 02-28-02 El Rosario, MICH, MX | Alejandro Garcia Garcia | 2193 |
| WK449 | Daniel Carmody | West Haven, CT 09-17-98 | 01-06-02 El Rosario, MICH, MX | Alejandro Gronados | 2193 |
| AAJ592 | Richard Julian | Milford, CT 09-12-01 | 02-18-02 El Rosario, MICH, MX | Herman Medina | 2187 |
| AAJ470 | Richard Julian | Milford, CT 09-02-01 | 01-20-02 El Rosario, MICH, MX | Carlos D Garcia | 2187 |
| AAS029 | Donald Davis | Belleville, ONT 09-02-01 | 03-13-02 El Rosario, MICH, MX | Simon Garcia Garcia | 2151 |
| AAS041 | Donald Davis | Belleville, ONT 09-02-01 | 02-27-02 El Rosario, MICH, MX | Mariana Garcia Garcia | 2151 |
| 582MU | Annie Mc Intyre | Long Island, NY 09-22-99 | ? El Rosario, MICH, MX | Cathy Wertz | 2130 |
| AIA547 | James Kupcho | West Carteret, NJ 09-19-01 | 03-03-02 Cerro Pelon, MICH, MX | Marco Antonio Estrada | 2122 |
| AAN142 | Charles Blewett | Montville, NJ 09-15-01 | 03-12-02 El Rosario, MICH, MX | Leonardo Garcia Martinez | 2118 |
| AIA612 | James Kupcho | Sewaren, NJ 09-19-01 | 03-12-02 El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 2109 |
| AIA387 | James Kupcho | Woodbridge, NJ 09-15-01 | 03-12-02 El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 2108 |

| Tag No. | Tagger | Tag Location, Date | | Report Date, Location | | Reporter | Miles |
|---------|---------------------------------|-----------------------|----------|-----------------------|--------------------------|-------------------------------|-------|
| AEL031 | Michele Franks | Hopatcong, NJ | ? | 03-04-02 | El Rosario, MICH, MX | Jose Luis Garcia | 2108 |
| AIA257 | James Kupcho | Sewaren, NJ | 09-12-01 | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez Martinez | 2105 |
| ADX830 | Matthew Douglas | Agawa Bay, ONT | 08-10-01 | 03-19-02 | Sierra Chincua, MICH, MX | Salvador Camacho Rivera | 2099 |
| AAH634 | James Ellis | Scarborough, ONT | 09-04-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 2063 |
| AHC542 | Pat Hallden-Abberton | Maple Glen, PA | 09-10-01 | 02-21-02 | El Rosario, MICH, MX | Herman Medina | 2054 |
| 185KW | Donald Davis | Toronto, ONT | 09-24-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 2053 |
| AAS632 | Donald Davis | Toronto, ONT | 09-13-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 2053 |
| AAS549 | Donald Davis | Toronto, ONT | 09-13-01 | 03-04-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 2053 |
| AAS457 | Donald Davis | Toronto, ONT | 09-12-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 2053 |
| AAS333 | Donald Davis | Toronto, ONT | 09-12-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 2053 |
| AAS321 | Donald Davis | Toronto, ONT | 09-12-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 2053 |
| AAS449 | Donald Davis | Toronto, ONT | 09-12-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 2053 |
| AAH585 | James Ellis | Toronto, ONT | 09-03-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 2053 |
| AHB774 | Julia Cutshall | Huntingdon, PA | 09-08-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 2053 |
| 262ZA | Julia Cutshall | Huntingdon, PA | 08-15-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 2053 |
| AAS525 | Donald Davis | Toronto, ONT | 09-13-01 | 03-06-02 | Sierra Chincua, MICH, MX | Luis Martinez | 2049 |
| AAS167 | Donald Davis | Toronto, ONT | 09-06-01 | 03-06-02 | Sierra Chincua, MICH, MX | Alphonzo Garcia | 2049 |
| AJP928 | Jersey Shore Junior High School | Williamsport, PA | 09-22-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 2035 |
| ADX467 | Helen Guilbert | Rolla, ND | 08-25-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 2032 |
| AGM463 | Dolphin Senio Public School | Oakville, ONT | 08-28-01 | 02-18-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 2031 |
| AGM417 | Dolphin Senio Public School | Oakville, ONT | 08-27-01 | 02-26-02 | El Rosario, MICH, MX | Carlos Luis Garcia Martinez | 2031 |
| ABE204 | Jerry Zeidler | Trout Run, PA | 09-30-01 | 02-26-02 | El Rosario, MICH, MX | Remedios de Jesus Martinez | 2029 |
| AIJ705 | Mark Garl& & Paige Cunningham | Sone Harbor Point, NJ | 10-07-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 2027 |
| AFN683 | Lilly Tryon | Reading, PA | 08-16-01 | 03-06-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 2026 |
| ABG047 | Shilo Hills Elem. School | Sinking Spring, PA | 09-25-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 2025 |
| ABE515 | John Sedivy | Danville, PA | 09-15-01 | 03-12-02 | Sierra Chincua, MICH, MX | Hermione Seigenthaler | 2024 |
| AAH485 | Anne Range | Walkerton, ONT | 09-01-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 2018 |
| ADX476 | Helen Guilbert | Rolla, ND | 08-26-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 2016 |
| ABE763 | The Shafer Family | Mifflinburg, PA | 10-03-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 2009 |
| AAI039 | Diana Haywood | Dunnville, ONT | 09-12-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 2006 |
| ACF882 | Belinda Hanna | Alpena, MI | 08-26-01 | 03-06-02 | Sierra Chincua, MICH, MX | Rigerberto Martinez Garcia | 1999 |
| ACG114 | Susan Clark | Marquette, MI | 08-16-01 | 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 1995 |
| ACG115 | Susan Clark | Marquette, MI | 08-16-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1995 |
| AAI137 | Karyl Mc Lean | Fredonia, NY | 09-04-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1993 |
| ABD123 | Kathy Stewart | Harrisburg, PA | 09-08-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1987 |
| GH274 | CJ Meitner | Rapid River, MI | 08-31-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1966 |
| ACG309 | Monarch Butterfly Project | Rapid River, MI | 08-13-01 | 02-27-02 | Sierra Chincua, MICH, MX | Rigerberto Martinez Hernandez | 1962 |
| ABI284 | Denise Gibbs | Chincoteague, VA | 10-09-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1959 |
| AHC814 | Harold Wierenga | Arnold, MD | 09-25-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1951 |
| AHC954 | Luaine Carey | Reisterstown, MD | 09-05-01 | 03-04-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1951 |
| AIL755 | Joe Mankowski | Severna Park, MD | 09-16-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1950 |
| ABI566 | Kirk Davies | Clarksburg, MD | 09-26-01 | 03-04-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1926 |
| AIY200 | Patricia Ann Jaffray | Clarksburg, MD | 09-21-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1926 |
| ABI420 | Kirk Davies | Rockville, MD | 09-12-01 | 01-20-02 | El Rosario, MICH, MX | Everando Garcia | 1925 |
| AIY240 | Patricia Ann Weidaw | Clarksburg, MD | 09-22-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1923 |
| ABI385 | Kirk Davies | Rockville, MD | 09-09-01 | 02-27-02 | Sierra Chincua, MICH, MX | Miguel Morena Ambrosio | 1921 |
| ABK225 | Bob & Tamie Dewitt | Washington, DC | 09-19-01 | 03-06-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1920 |
| ABA879 | Melo Thomas | Home, PA | 09-09-01 | 02-26-02 | El Rosario, MICH, MX | Hernando Gonzalez | 1919 |
| ABA873 | Melo Thomas | Home, PA | 09-08-01 | 03-04-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1919 |
| AIR059 | Mona Miller | Vienna, VA | 10-05-01 | 03-01-02 | El Rosario, MICH, MX | Freddie Valencia | 1913 |
| AIR054 | Mona Miller | Vienna, VA | 10-04-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1913 |
| ABA822 | Indiana Co. Parks | Indiana, PA | 09-11-01 | 01-11-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1912 |
| AIR132 | Mona Miller | Herndon, VA | 09-13-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1910 |
| AIY220 | Patricia Ann Jaffray | Vienna, VA | 09-22-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1909 |
| ABJ835 | Larry Brindza | Lorton, VA | 09-22-01 | 02-26-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1905 |
| ABJ782 | Larry Brindza | Lorton, VA | 09-13-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1905 |
| ABJ667 | Larry Brindza | Lorton, VA | 09-12-01 | 01-06-02 | El Rosario, MICH, MX | Jaime Gonzalez Gonzalez | 1905 |
| ABJ497 | Larry Brindza | Lorton, VA | 09-06-01 | 03-12-02 | El Rosario, MICH, MX | Maria Guadalupe Cruz | 1905 |
| ABJ388 | Larry Brindza | Lorton, VA | 09-04-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1905 |
| AAH988 | Sandy Dobbyn | Morpeth, ONT | 09-09-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1903 |
| ABX350 | Jerry Wiedmann | Painesville, OH | 08-30-01 | 03-03-02 | Cerro Pelon, MICH, MX | Marco Antonio Estrada | 1902 |
| ABX291 | Jerry Wiedmann | Painesville, OH | 08-24-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1902 |
| ABJ675 | Larry Brindza | Lorton, VA | 09-12-01 | 02-27-02 | Sierra Chincua, MICH, MX | Luis Martinez | 1902 |
| ABJ492 | Larry Brindza | Lorton, VA | 09-06-01 | 02-27-02 | Sierra Chincua, MICH, MX | Javier Martinez | 1902 |

| Tag No. | Tagger | Tag Location, Date | Report Date, Location | | | Reporter | Miles |
|---------|-----------------------|-----------------------|-----------------------|----------|--------------------------|-----------------------------|-------|
| ABJ415 | Larry Brindza | Lorton, VA | 09-05-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1902 |
| AGO407 | Melanie Petridis | Slippery Rock, PA | 09-03-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1899 |
| AGO358 | Melanie Petridis | Slippery Rock, PA | 08-30-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1896 |
| AGN257 | Geauga Lake District | Middlefield, OH | 08-29-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1894 |
| ABY425 | Julie Clemens | Willoughby, OH | 09-08-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1892 |
| ADI748 | Scott Gale | Aitkin, MN | 08-31-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1892 |
| ABY042 | Jerome Wiedmann | Painesville, OH | 09-09-01 | 01-11-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1890 |
| ABX684 | Jerry Wiedmann | Painesville, OH | 09-03-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1890 |
| ABX647 | Jerry Wiedmann | Painesville, OH | 09-03-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1890 |
| ABX413 | Jerry Wiedmann | Painesville, OH | 09-01-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1890 |
| ABX427 | Jerry Wiedmann | Painesville, OH | 09-01-01 | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 1890 |
| ABY454 | Julie Clemens | Painesville, OH | 09-08-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1890 |
| ABY471 | Julie Clemens | Painesville, OH | 09-08-01 | 02-27-02 | El Rosario, MICH, MX | Emerido Garcia | 1890 |
| ABY456 | Julie Clemens | Painesville, OH | 09-08-01 | 02-13-02 | El Rosario, MICH, MX | Hugo Garcia | 1890 |
| ABY414 | Julie Clemens | Painesville, OH | 09-07-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1890 |
| ABY349 | Julie Clemens | Painesville, OH | 09-06-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1890 |
| ABY304 | Julie Clemens | Painesville, OH | 09-05-01 | 02-21-02 | El Rosario, MICH, MX | Romero Garcia | 1890 |
| ADZ288 | Carolyn Schmidt | Mapleton, ND | 08-26-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia Martinez | 1889 |
| ADZ282 | Carolyn Schmidt | Mapleton, ND | 08-24-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1889 |
| ADZ235 | Carolyn Schmidt | Mapleton, ND | 08-23-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1889 |
| ADY968 | Carolyn Schmidt | Mapleton, ND | 08-16-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1889 |
| ADZ464 | Gary Brekke | Fargo, ND | 09-18-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1889 |
| AGN079 | Geauga Lake District | Mentor, OH | 09-19-01 | 03-12-02 | El Rosario, MICH, MX | Maria Guadalupe Cruz | 1885 |
| AGN063 | Geauga Lake District | Mentor, OH | 09-08-01 | 03-06-02 | El Rosario, MICH, MX | Sergio Valdez Martinez | 1885 |
| AGN363 | Geauga Lake District | Chardon, OH | 09-08-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1883 |
| AGN312 | Geauga Lake District | Chardon, OH | 09-02-01 | 03-08-02 | El Rosario, MICH, MX | Gerardo Garcia Martinez | 1883 |
| AGM587 | Geauga Lake District | Middlefield, OH | 09-08-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1882 |
| AGM571 | Geauga Lake District | Middlefield, OH | 09-08-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1882 |
| AGN348 | Geauga Lake District | Middlefield, OH | 09-03-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1882 |
| AII814 | Mark Garland | North Hampton, VA | 10-07-01 | 02-16-02 | El Rosario, MICH, MX | Armado Garcia | 1882 |
| ABY437 | Julie Clemens | Willoughby, OH | 09-08-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1880 |
| ABY115 | Julie Clemens | Willoughby, OH | 08-27-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1880 |
| AGM749 | Geauga Lake District | Middlefield, OH | 09-16-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1878 |
| AGN008 | Geauga Lake District | Middlefield, OH | 09-10-01 | 03-01-02 | Sierra Chincua, MICH, MX | Victor Valdez | 1878 |
| AGN517 | Geauga Lake District | Middlefield, OH | 09-09-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1878 |
| ADZ086 | Margarette Schmidt | Alice, ND | ? | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1877 |
| AFT574 | Kyle Bradford | Cleveland, OH | 09-07-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1875 |
| AFI316 | Linda Ferguson | Pittsburg, PA | 09-07-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1872 |
| ADR865 | Nancy Hanson | Battle Lake, MN | 08-15-01 | 03-08-02 | Cerro Pelon, MICH, MX | Kay Kust | 1872 |
| AHB273 | The Pawlesh Family | Jefferson Hills, PA | 09-13-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1869 |
| AHB258 | The Pawlesh Family | Jefferson Hills, PA | 09-12-01 | 02-16-02 | El Rosario, MICH, MX | Bernardo Garcia | 1869 |
| AHB213 | The Pawlesh Family | Jefferson Hills, PA | 09-05-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 1869 |
| AFP497 | Jessica Belcher | Chesapeake, VA | 08-22-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1868 |
| ACF259 | Carol & Fred Doornbos | White Lake, MI | 08-18-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1866 |
| AHB281 | The Pawlesh Family | Jefferson Hills, PA | 09-18-01 | 03-04-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1865 |
| AFQ778 | Bowie Hartman | Keyser, WV | 09-10-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1864 |
| RS185 | Kellon Smith | Keyser, WV | 09-27-97 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1864 |
| ABY162 | Julie Clemens | Cleveland Heights, OH | 09-02-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1862 |
| ABY146 | Julie Clemens | Cleveland Heights, OH | 08-31-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1862 |
| ABJ900 | Sam & Lydia Resnik | Cleveland Heights, OH | 08-21-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1862 |
| ABX832 | Stanley Stine | Twinsburg, OH | 09-10-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1862 |
| ACD905 | Milford High School | Highland, MI | 09-04-01 | 02-16-02 | El Rosario, MICH, MX | Bernardo Garcia | 1861 |
| AGE575 | Dan Everson | Shawano, WI | 08-31-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1860 |
| ACD776 | Joanne Muzzin | Redford Twp, MI | 08-23-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1858 |
| ADR405 | Linda Boe | Ashby, MN | 08-13-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1858 |
| AFT886 | Pat Owen | Cleveland, OH | 09-14-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1858 |
| ADS158 | Bonnie Pfeffer | Battle Lake, MN | 08-20-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1857 |
| ADS168 | Bonnie Pfeffer | Battle Lake, MN | 08-20-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1857 |
| ADS082 | Bonnie Pfeffer | Battle Lake, MN | 08-16-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1857 |
| ADR999 | Bonnie Pfeffer | Battle Lake, MN | 08-15-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1857 |
| ADS039 | Bonnie Pfeffer | Battle Lake, MN | 08-15-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1857 |
| ACD927 | Joanne Tibedeau | Highland, MI | 09-14-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1857 |
| ADR904 | Nancy Hanson | Battle Lake, MN | 08-16-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1857 |
| ADR847 | Nancy Hanson | Battle Lake, MN | 08-15-01 | 01-06-02 | El Rosario, MICH, MX | Jaime Gonzalez Gonzalez | 1857 |

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| ADR827 | Nancy Hanson | Battle Lake, MN | 08-14-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1857 |
| ADR742 | Nancy Hanson | Battle Lake, MN | 08-13-01 | 01-31-02 | El Rosario, MICH, MX | Eduardo Rendon | 1857 |
| AFI776 | Eric & Nate Miller | Parma, OH | 09-11-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1855 |
| AHE229 | Caryle Spence | Northville, MI | 09-04-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1854 |
| AHE222 | Caryle Spence | Northville, MI | 09-01-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1854 |
| AHE202 | Caryle Spence | Northville, MI | 08-23-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1854 |
| ADS242 | Paul Viger | Campbell, MN | 08-19-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1854 |
| ADT483 | Durae Girl Scout Troop | Fergus Falls, MN | 08-25-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1853 |
| ADT555 | Eric Anderson | Fergus Falls, MN | 08-31-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1853 |
| ADT620 | Kyle & The F F M S 5th Grade | Fergus Falls, MN | 09-11-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1853 |
| ADT457 | Prairie Wetlands Learning Center | Fergus Falls, MN | 08-25-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 1853 |
| ADT419 | Prairie Wetlands Learning Center | Fergus Falls, MN | 08-18-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1853 |
| ADR857 | Nancy Hanson | Battle Lake, MN | 08-15-01 | 02-27-02 | Sierra Chincua, MICH, MX | Javier Martinez | 1852 |
| AFY365 | Dana Wloch | Southgate, MI | 08-28-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1850 |
| ACD580 | George De Angelis | South Lyon, MI | 09-08-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1850 |
| ADT448 | Prairie Wetlands Learning Center | Fergus Falls, MN | 08-25-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1849 |
| ACZ875 | Audrey Kessen | Tigerton, WI | 09-12-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1848 |
| ACE723 | Bev Broersma | Rockford, MI | 09-11-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1847 |
| AFY596 | Dana Wloch | Gibraltar, MI | 09-16-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1844 |
| AFY547 | Dana Wloch | Gibraltar, MI | 09-10-01 | 02-16-02 | El Rosario, MICH, MX | Bernardo Garcia | 1844 |
| AFY824 | Janet Wulf- Marvin | Greenville, MI | 09-10-01 | 02-26-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1844 |
| ADR391 | Linda Boe | Ashby, MN | 08-13-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1842 |
| ADR368 | Linda Boe | Ashby, MN | 08-13-01 | 03-04-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1842 |
| ADR389 | Linda Boe | Ashby, MN | 08-13-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1842 |
| ADR307 | Linda Boe | Ashby, MN | 08-13-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1842 |
| ADR339 | Linda Boe | Ashby, MN | 08-13-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1842 |
| ADR352 | Linda Boe | Ashby, MN | 08-13-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1842 |
| AFY425 | Dana Wloch | Rockwood, MI | 09-03-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1841 |
| ADS308 | Alex & Emily Viger | Campbell, MN | 08-20-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1838 |
| ADR338 | Linda Boe | Ashby, MN | 08-13-01 | 03-08-02 | Sierra Chincua, MICH, MX | Geraldo Martinez Garcia | 1838 |
| ADT065 | Paul Viger | Campbell, MN | 09-05-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1838 |
| ADT028 | Paul Viger | Campbell, MN | 09-05-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1838 |
| ADT058 | Paul Viger | Campbell, MN | 09-05-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1838 |
| ADT007 | Paul Viger | Campbell, MN | 09-05-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1838 |
| ADS959 | Paul Viger | Campbell, MN | 09-01-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1838 |
| ADS923 | Paul Viger | Campbell, MN | 08-29-01 | 03-09-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1838 |
| ADS817 | Paul Viger | Campbell, MN | 08-28-01 | ? | El Rosario, MICH, MX | Remedios Tellez | 1838 |
| ADS828 | Paul Viger | Campbell, MN | 08-28-01 | 03-01-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1838 |
| ADS756 | Paul Viger | Campbell, MN | 08-28-01 | 02-26-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1838 |
| ADS773 | Paul Viger | Campbell, MN | 08-28-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1838 |
| ADS603 | Paul Viger | Campbell, MN | 08-23-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1838 |
| ADS650 | Paul Viger | Campbell, MN | 08-23-01 | 01-18-02 | El Rosario, MICH, MX | Armado Garcia | 1838 |
| ADS585 | Paul Viger | Campbell, MN | 08-22-01 | 02-27-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1838 |
| ADS461 | Paul Viger | Campbell, MN | 08-21-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1838 |
| ADS339 | Paul Viger | Campbell, MN | 08-20-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1838 |
| ADS375 | Paul Viger | Campbell, MN | 08-20-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1838 |
| ADS402 | Paul Viger | Campbell, MN | 08-20-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1838 |
| ADS425 | Paul Viger | Campbell, MN | 08-20-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1838 |
| 025SP | Paul Viger | Campbell, MN | 08-19-00 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1838 |
| ADS590 | Paul Viger | Campbell, MN | 08-22-01 | 01-20-02 | Los Azufres, MICH, MX | Victor Sevilla | 1836 |
| AHR876 | Leah Kozlowski | Knowlton, WI | 09-11-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1834 |
| ADT094 | Paul Viger | Campbell, MN | 09-05-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1834 |
| ADS917 | Paul Viger | Campbell, MN | 08-29-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1834 |
| ADS848 | Paul Viger | Campbell, MN | 08-28-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1834 |
| ADS695 | Paul Viger | Campbell, MN | 08-23-01 | 03-04-02 | Sierra Chincua, MICH, MX | Juventino Martinez | 1834 |
| ADS449 | Paul Viger | Campbell, MN | 08-20-01 | 03-06-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 1834 |
| ACE709 | Bev Broersma | Rockford, MI | ? | 01-11-02 | El Rosario, MICH, MX | Andres Moreno | 1833 |
| YH930 | Dana Wloch | Monroe, MI | 09-22-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1829 |
| ACF304 | Carol & Fred Doornbos | Montague, MI | 08-28-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1828 |
| ACF283 | Carol & Fred Doornbos | Montague, MI | 08-27-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1828 |
| ACF284 | Carol & Fred Doornbos | Montague, MI | 08-27-01 | 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 1828 |
| YH901 | Dana Wloch | Monroe, MI | 09-22-01 | 02-27-02 | Sierra Chincua, MICH, MX | Miguel Angel Gonzalez | 1825 |
| ADB239 | Judy Thoren | Neenah, WI | 08-29-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1825 |
| ACF441 | Brian Flynn | Grand Rapids, MI | 08-30-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1821 |

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|---------|-------------------------|---------------------|-----------------------|----------|--------------------------|-----------------------------|-------|
| 222YL | Paula Waggy | Franklin, WV | 09-26-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1814 |
| ABW890 | Tom Kashmer | Oak Harbor, OH | 08-29-01 | 02-27-02 | Sierra Chincua, MICH, MX | Luis Martinez | 1810 |
| ADM545 | Nathan Graff | Morris, MN | 08-26-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1807 |
| ABX027 | Tom Kashmer | Fremont, OH | 09-23-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1807 |
| ABW857 | Tom Kashmer | Fremont, OH | 08-27-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1807 |
| ACE942 | Tom Baweja | Wayland, MI | 08-29-01 | 02-16-02 | El Rosario, MICH, MX | Armado Garcia | 1804 |
| ABX028 | Tom Kashmer | Fremont, OH | 09-23-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1803 |
| ABW976 | Tom Kashmer | Fremont, OH | 09-05-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1803 |
| AHG703 | Alana Holt | Osseo, MN | 09-03-01 | 03-01-02 | El Rosario, MICH, MX | Carlos Luis Garcia Martinez | 1801 |
| ADH263 | Kissner Farm | Corcoran, MN | 08-18-01 | 02-26-02 | El Rosario, MICH, MX | Andreas Morelos | 1799 |
| ADF431 | Mary Babcock | Hastings, MN | 08-26-01 | 03-03-02 | Cerro Pelon, MICH, MX | Marco Antonio Estrada | 1798 |
| ADJ599 | Charles Lawrence Gagnon | Minneapolis, MN | 09-02-01 | 03-04-02 | El Rosario, MICH, MX | Jose Luis Garcia | 1793 |
| ADJ582 | Charles Lawrence Gagnon | Minneapolis, MN | 08-28-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1793 |
| ADJ485 | Charles Lawrence Gagnon | Minneapolis, MN | 08-27-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1793 |
| ADJ462 | Charles Lawrence Gagnon | Minneapolis, MN | 08-26-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1793 |
| ADJ430 | James Gagnon | Minneapolis, MN | 08-18-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1793 |
| ADJ348 | Pieter James Gagnon | Minneapolis, MN | ? | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1793 |
| ADJ774 | Pieter James Gagnon | Minneapolis, MN | 09-11-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1793 |
| ADJ545 | Pieter James Gagnon | Minneapolis, MN | 08-27-01 | 02-18-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1793 |
| ADJ335 | Pieter James Gagnon | Minneapolis, MN | 08-11-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1793 |
| ADK528 | Sandburg Middle School | Golden Valley, MN | 10-11-01 | 02-27-02 | El Rosario, MICH, MX | Emerido Garcia | 1793 |
| ADE158 | Pam Welisevich | W St Paul, MN | 08-25-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1791 |
| ADE146 | Pam Welisevich | West St. Paul, MN | 08-20-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1791 |
| ADC778 | Teresa Root | St. Paul, MN | 08-24-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1791 |
| AEA927 | Regina Miller | Port Washington, WI | ? | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1790 |
| ADI274 | Joe Druskin's Class | Hopkins, MN | 08-30-01 | 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 1788 |
| ADH850 | Pat Arnold's Students | Wayzata, MN | 09-18-01 | 03-04-02 | Sierra Chincua, MICH, MX | Benito Vidal Cruz | 1786 |
| ADF083 | Babcock & Pasch | Hastings, MN | 08-24-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1783 |
| ADF769 | Mary Babcock | Hastings, MN | 08-26-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1783 |
| ADF763 | Mary Babcock | Hastings, MN | 08-26-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1783 |
| ADF387 | Mary Babcock | Hastings, MN | 08-26-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1783 |
| ADF339 | Mary Babcock | Hastings, MN | 08-23-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1783 |
| ADF811 | Mary Babcock | Hastings, MN | 08-23-01 | 01-21-02 | El Rosario, MICH, MX | Carlos D Garcia | 1783 |
| ADF219 | Mary Babcock | Hastings, MN | 08-23-01 | 01-11-02 | El Rosario, MICH, MX | Gloria Garcia Garcia | 1783 |
| ADF143 | Pasch | Hastings, MN | 08-25-01 | 02-28-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1783 |
| ADF189 | Pasch | Hastings, MN | 08-23-01 | 02-26-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1783 |
| AGD178 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morch | 1783 |
| AGA833 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1783 |
| ADD529 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morch | 1783 |
| AGA067 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Moreno | 1783 |
| ADD151 | Tom Murphy | Cannon Falls, MN | 08-12-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1783 |
| ADI936 | Elise Bushard | Victoria, MN | 09-08-01 | 01-06-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1781 |
| ADF911 | Mary Babcock | Apple Valley, MN | 08-25-01 | 02-28-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1779 |
| ADF833 | Mary Babcock | Apple Valley, MN | 08-25-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1779 |
| ADE895 | Minnesota Zoo | Apple Valley, MN | 08-25-01 | 03-09-02 | El Rosario, MICH, MX | Everando Garcia | 1779 |
| ADF942 | Minnesota Zoo | Apple Valley, MN | 08-25-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1779 |
| ADE838 | Minnesota Zoo | Apple Valley, MN | 08-25-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1779 |
| ADE949 | Mary Babcock | Hastings, MN | 08-21-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1778 |
| AGI194 | Mary Beth Mc Cormack | Mequon, WI | 09-04-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1778 |
| ACW212 | Stephen Kupcho | Mequon, WI | 09-13-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1778 |
| AGJ688 | Valerie Quiring | Webster, MN | 08-30-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Moreno | 1778 |
| ADY685 | Myron Zimmer | Bowdle, SD | 09-11-01 | 02-27-02 | Sierra Chincua, MICH, MX | Javier Martinez | 1776 |
| ACX109 | Adeline Carlsen | Waukesha, WI | 08-30-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1773 |
| AGC746 | Tom Murphy | Farmington, MN | 09-05-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1773 |
| AGC758 | Tom Murphy | Farmington, MN | 09-05-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 1769 |
| ADD605 | Farmington Elem. School | Cannon Falls, MN | ? | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1768 |
| ADD441 | Farmington Elem. School | Cannon Falls, MN | 08-13-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1768 |
| ADD501 | Farmington Elem. School | Cannon Falls, MN | 08-13-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1768 |
| ADD703 | Farmington Elem. School | Cannon Falls, MN | 08-13-01 | 02-16-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1768 |
| ADD688 | Farmington Elem. School | Cannon Falls, MN | 08-13-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1768 |
| ADD321 | Farmington Elem. School | Cannon Falls, MN | 08-13-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1768 |
| ADD540 | Farmington Elem. School | Cannon Falls, MN | 08-13-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1768 |
| ADD549 | Farmington Elem. School | Cannon Falls, MN | 08-13-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1768 |
| ADD120 | Farmington Elem. School | Cannon Falls, MN | 08-12-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1768 |

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|---------|-------------------------|--------------------|-----------------------|----------|----------------------|---------------------------|-------|
| ADD170 | Farmington Elem. School | Cannon Falls, MN | 08-12-01 | 02-21-02 | El Rosario, MICH, MX | Herman Medina | 1768 |
| ADD040 | Farmington Elem. School | Cannon Falls, MN | 08-11-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1768 |
| ADC911 | Farmington Elem. School | Cannon Falls, MN | 08-11-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1768 |
| ADC876 | Farmington Elem. School | Cannon Falls, MN | 08-10-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1768 |
| AGC493 | Tom Murphy | Cannon Falls, MN | 09-03-01 | 03-12-02 | El Rosario, MICH, MX | Leonardo Garcia Martinez | 1768 |
| AGE017 | Tom Murphy | Cannon Falls, MN | 09-03-01 | 02-27-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1768 |
| AGC190 | Tom Murphy | Cannon Falls, MN | 08-28-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1768 |
| AGC263 | Tom Murphy | Cannon Falls, MN | 08-28-01 | 03-04-02 | El Rosario, MICH, MX | Jose Luis Garcia | 1768 |
| AGB723 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1768 |
| AGD379 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1768 |
| AGB633 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1768 |
| AGB942 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-08-02 | El Rosario, MICH, MX | Gerardo Garcia Martinez | 1768 |
| AGD620 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1768 |
| AGB502 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-06-02 | El Rosario, MICH, MX | Eloy Garcia Garcia | 1768 |
| AGD054 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1768 |
| AGD434 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1768 |
| AGD435 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1768 |
| AGD848 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1768 |
| AGB645 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-04-02 | El Rosario, MICH, MX | Jose Luis Garcia | 1768 |
| AGB377 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1768 |
| AGB420 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1768 |
| AGB447 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1768 |
| AGD241 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1768 |
| AGD913 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1768 |
| AGB913 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-21-02 | El Rosario, MICH, MX | Herman Medina | 1768 |
| AGB526 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1768 |
| AGB690 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1768 |
| AGD292 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 1768 |
| AGB743 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1768 |
| AGB465 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-16-02 | El Rosario, MICH, MX | Bernardo Garcia | 1768 |
| AGB446 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1768 |
| AGB455 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1768 |
| AGB793 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1768 |
| AGB901 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1768 |
| AGD364 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 01-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1768 |
| AGB042 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1768 |
| AGB871 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1768 |
| AGA977 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1768 |
| AGA654 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1768 |
| AGA917 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1768 |
| AGB242 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1768 |
| AGB181 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 1768 |
| AGB144 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-01-02 | El Rosario, MICH, MX | Freddie Valencia | 1768 |
| AGA948 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-27-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1768 |
| AGB352 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1768 |
| AGA865 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-27-02 | El Rosario, MICH, MX | Emerido Garcia | 1768 |
| AGB052 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1768 |
| AGA811 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1768 |
| AGA918 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1768 |
| AGA989 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-21-02 | El Rosario, MICH, MX | Herman Medina | 1768 |
| AGB235 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1768 |
| AGA978 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-21-02 | El Rosario, MICH, MX | Romero Garcia | 1768 |
| AGA702 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1768 |
| AGA676 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 1768 |
| AGB827 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1768 |
| AGA968 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1768 |
| AGB344 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1768 |
| AGB822 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 11-11-01 | El Rosario, MICH, MX | Elizabeth Howard | 1768 |
| AGA419 | Tom Murphy | Cannon Falls, MN | 08-14-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1768 |
| ADD366 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1768 |
| AGA240 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1768 |
| ADD526 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1768 |
| ADD356 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 03-01-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1768 |
| AGA022 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 03-01-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1768 |

| Tag No. | Tagger | Tag Location, Date | Report Date, Location | | | Reporter | Miles |
|---------|---------------------------|---------------------|-----------------------|----------|--------------------------|----------------------------|-------|
| AGA301 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1768 |
| ADD666 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 01-06-02 | El Rosario, MICH, MX | Fortino Guzmán | 1768 |
| ADD173 | Tom Murphy | Cannon Falls, MN | 08-12-01 | 03-01-02 | El Rosario, MICH, MX | Freddie Valencia | 1768 |
| AGI363 | Urban Ecology Center | Milwaukee, WI | 09-08-01 | 01-22-02 | El Rosario, MICH, MX | Herman Medina | 1768 |
| ADD333 | Farmington Elem. School | Cannon Falls, MN | 08-13-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1763 |
| ADD093 | Farmington Elem. School | Cannon Falls, MN | 08-12-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1763 |
| AGC550 | Tom Murphy | Cannon Falls, MN | 09-03-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1763 |
| AGC167 | Tom Murphy | Cannon Falls, MN | 08-28-01 | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez Martinez | 1763 |
| AGB722 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 03-08-02 | Sierra Chincua, MICH, MX | Juventino Martinez | 1763 |
| AGD609 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosio Gonzalez | 1763 |
| AGD636 | Tom Murphy | Cannon Falls, MN | 08-19-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1763 |
| AGA825 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1763 |
| AGA679 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 03-06-02 | Sierra Chincua, MICH, MX | Rigerberto Martinez Garcia | 1763 |
| AGA863 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1763 |
| AGB270 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1763 |
| AGB329 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1763 |
| AGA794 | Tom Murphy | Cannon Falls, MN | 08-14-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosio Gonzalez | 1763 |
| AGA193 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 03-19-02 | Sierra Chincua, MICH, MX | Salvador Camacho Rivera | 1763 |
| ADD550 | Tom Murphy | Cannon Falls, MN | 08-13-01 | 03-06-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 1763 |
| ACX087 | Adeline Carlsen | Waukesha, WI | 08-28-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1758 |
| AHG773 | Michael Schlasner | Rochester, MN | 08-23-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1756 |
| ADM984 | Suzette Rowen | Rochester, MN | 08-27-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1756 |
| AFX287 | Doug Kuehn | Granger, IN | 08-28-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1750 |
| ABJ983 | Ralph Ramey | Westerville, OH | 09-03-01 | 03-12-02 | El Rosario, MICH, MX | Jorge Medina | 1749 |
| ABU958 | Sarah Dalton | Westerville, OH | 09-15-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1749 |
| ACN525 | Pam Ryall | Mukwonago, WI | 08-26-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1747 |
| AGI427 | Eric Howe | Eagle, WI | 08-26-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1745 |
| ABW011 | Sarah Dalton | Westerville, OH | 09-13-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1745 |
| ACE609 | Keith Calkins | Berrien Springs, MI | 09-12-01 | 02-21-02 | El Rosario, MICH, MX | Romero Garcia | 1743 |
| ACE601 | Keith Calkins | Berrien Springs, MI | 09-01-01 | 03-01-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1743 |
| AGK387 | Linnaeus Arboretum | St. Peter, MN | 08-31-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1742 |
| AIK442 | De Cansler | Rochester, MN | 09-07-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1741 |
| ACY864 | Greg Munson | Rochester, MN | 08-22-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1741 |
| YL572 | Greg Munson | Rochester, MN | 09-09-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1741 |
| YL532 | Greg Munson | Rochester, MN | 09-05-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1741 |
| YL476 | Greg Munson | Rochester, MN | 09-05-01 | 03-04-02 | El Rosario, MICH, MX | Rogelio Garcia | 1741 |
| YL104 | Greg Munson | Rochester, MN | 09-01-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1741 |
| YL179 | Greg Munson | Rochester, MN | 09-01-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1741 |
| YL209 | Greg Munson | Rochester, MN | 09-01-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1741 |
| ACY545 | Greg Munson | Rochester, MN | 08-27-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 1741 |
| ACY524 | Greg Munson | Rochester, MN | 08-27-01 | 03-04-02 | El Rosario, MICH, MX | Rogelio Garcia | 1741 |
| ACY792 | Greg Munson | Rochester, MN | 08-22-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1741 |
| ACY737 | Greg Munson | Rochester, MN | 08-22-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1741 |
| ACY932 | Greg Munson | Rochester, MN | 08-22-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1741 |
| ACY470 | Greg Munson | Rochester, MN | 08-17-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1741 |
| ACY124 | Greg Munson | Rochester, MN | 08-16-01 | 03-12-02 | El Rosario, MICH, MX | Maria Guadalupe Cruz | 1741 |
| ACY368 | Greg Munson | Rochester, MN | 08-16-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1741 |
| YL299 | Greg Thompson | Rochester, MN | 09-04-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1741 |
| YL266 | Greg Thompson | Rochester, MN | 09-04-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1741 |
| AHG830 | Michael Schlasner | Rochester, MN | 08-23-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1741 |
| AHG923 | Michael Schlasner | Rochester, MN | 08-23-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1741 |
| ACY938 | Quarry Hill Nature Center | Rochester, MN | 09-22-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1741 |
| YL556 | Quarry Hill Nature Center | Rochester, MN | 09-09-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1741 |
| YL376 | Quarry Hill Nature Center | Rochester, MN | 09-05-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1741 |
| YL373 | Quarry Hill Nature Center | Rochester, MN | 09-05-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1741 |
| YL256 | Quarry Hill Nature Center | Rochester, MN | 09-04-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1741 |
| YL260 | Quarry Hill Nature Center | Rochester, MN | 09-04-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1741 |
| YL141 | Quarry Hill Nature Center | Rochester, MN | 09-01-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1741 |
| YL152 | Quarry Hill Nature Center | Rochester, MN | 09-01-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1741 |
| ACY590 | Quarry Hill Nature Center | Rochester, MN | 08-28-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1741 |
| ACY569 | Quarry Hill Nature Center | Rochester, MN | 08-27-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1741 |
| ACY643 | Quarry Hill Nature Center | Rochester, MN | 08-23-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1741 |
| ACY967 | Quarry Hill Nature Center | Rochester, MN | 08-23-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 1741 |
| ACY647 | Quarry Hill Nature Center | Rochester, MN | 08-23-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1741 |

| Tag No. | Tagger | Tag Location, Date | Report Date, Location | | | Reporter | Miles |
|---------|---------------------------|----------------------|-----------------------|----------|--------------------------|-----------------------------|-------|
| ACY780 | Quarry Hill Nature Center | Rochester, MN | 08-22-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1741 |
| ACY921 | Quarry Hill Nature Center | Rochester, MN | 08-22-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1741 |
| ACY767 | Quarry Hill Nature Center | Rochester, MN | 08-22-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1741 |
| ACY793 | Quarry Hill Nature Center | Rochester, MN | 08-22-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1741 |
| ACY697 | Quarry Hill Nature Center | Rochester, MN | 08-20-01 | 02-27-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1741 |
| ACY174 | Quarry Hill Nature Center | Rochester, MN | 08-16-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1741 |
| ACY178 | Quarry Hill Nature Center | Rochester, MN | 08-16-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1741 |
| ACY396 | Quarry Hill Nature Center | Rochester, MN | 08-16-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1741 |
| ACY343 | Quarry Hill Nature Center | Rochester, MN | 08-16-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1741 |
| ACY415 | Quarry Hill Nature Center | Rochester, MN | 08-16-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1741 |
| ADM963 | Suzette Rowen | Rochester, MN | 08-27-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1741 |
| ADM995 | Suzette Rowen | Rochester, MN | 08-27-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1741 |
| ADN358 | Suzette Rowen | Rochester, MN | 08-25-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1741 |
| ADN329 | Suzette Rowen | Rochester, MN | 08-25-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1741 |
| AIS760 | Joel Dunnette | Byron, MN | 09-09-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1740 |
| AGI726 | Eric Howe | Pleasant Prairie, WI | 09-15-01 | 03-04-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1737 |
| AGI735 | Eric Howe | Pleasant Prairie, WI | 09-15-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1737 |
| AGI682 | Eric Howe | Pleasant Prairie, WI | 09-15-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1737 |
| ACZ711 | Patrick O' Connor | Madison, WI | 09-08-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1737 |
| ACZ647 | Patrick O' Connor | Madison, WI | 08-19-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1737 |
| AIK418 | De Cansler | Rochester, MN | 09-07-01 | 03-08-02 | Sierra Chincua, MICH, MX | Geraldo Martinez Garcia | 1736 |
| AIK440 | De Cansler | Rochester, MN | 09-07-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1736 |
| AFX271 | Doug Kuehn | Granger, IN | 08-29-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1736 |
| AFX262 | Doug Kuehn | Granger, IN | 08-28-01 | 03-01-02 | El Rosario, MICH, MX | Freddie Valencia | 1736 |
| AFX280 | Doug Kuehn | Granger, IN | 08-28-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1736 |
| AFX226 | Doug Kuehn | Granger, IN | 08-28-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1736 |
| AFX185 | Doug Kuehn | Granger, IN | 08-27-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 1736 |
| AFX135 | Doug Kuehn | Granger, IN | 08-26-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1736 |
| AFX120 | Doug Kuehn | Granger, IN | 08-26-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1736 |
| AFX050 | Doug Kuehn | Granger, IN | 08-25-01 | 03-09-02 | El Rosario, MICH, MX | Daniel Garcia Martinez | 1736 |
| 830ZM | Doug Kuehn | Granger, IN | 08-16-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1736 |
| AIM833 | Frank Radford High School | Radford, VA | 09-12-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1736 |
| YL697 | Greg Munson | Rochester, MN | 09-09-01 | 03-04-02 | Sierra Chincua, MICH, MX | Juventino Martinez | 1736 |
| YL689 | Greg Munson | Rochester, MN | 09-09-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1736 |
| YL447 | Greg Munson | Rochester, MN | 09-05-01 | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez Martinez | 1736 |
| YL316 | Greg Munson | Rochester, MN | 09-04-01 | 03-04-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1736 |
| YL100 | Greg Munson | Rochester, MN | 09-01-01 | 03-06-02 | Sierra Chincua, MICH, MX | Angela Gonzalez | 1736 |
| ACY781 | Greg Munson | Rochester, MN | 08-22-01 | 03-04-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosio Gonzalez | 1736 |
| ACY455 | Greg Munson | Rochester, MN | 08-17-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1736 |
| ACY427 | Greg Munson | Rochester, MN | 08-16-01 | 03-06-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 1736 |
| AIS777 | Joel Dunnette | Rochester, MN | 09-09-01 | 03-19-02 | Sierra Chincua, MICH, MX | Salvador Camacho Rivera | 1736 |
| YL643 | Quarry Hill Nature Center | Rochester, MN | 09-09-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1736 |
| YL326 | Quarry Hill Nature Center | Rochester, MN | 09-04-01 | 01-30-02 | Sierra Chincua, MICH, MX | Eduardo Rendon | 1736 |
| YL218 | Quarry Hill Nature Center | Rochester, MN | 09-01-01 | 02-27-02 | Sierra Chincua, MICH, MX | Javier Martinez | 1736 |
| ACY533 | Quarry Hill Nature Center | Rochester, MN | 08-27-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1736 |
| ADN938 | Lisa Tite | Nicollet, MN | 09-03-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1735 |
| ADN791 | Lisa Tite | Nicollet, MN | 09-02-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1735 |
| ADN876 | Lisa Tite | Nicollet, MN | 09-02-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1735 |
| ADN847 | Lisa Tite | Nicollet, MN | 09-02-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1735 |
| ADN889 | Lisa Tite | Nicollet, MN | 09-02-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1735 |
| ADN652 | Lisa Tite | Nicollet, MN | 08-27-01 | 03-09-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1735 |
| ADN676 | Lisa Tite | Nicollet, MN | 08-27-01 | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 1735 |
| ADN568 | Lisa Tite | Nicollet, MN | 08-26-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1735 |
| ADN636 | Lisa Tite | Nicollet, MN | 08-26-01 | 02-21-02 | El Rosario, MICH, MX | Herman Medina | 1735 |
| ADN563 | Lisa Tite | Nicollet, MN | 08-26-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 1735 |
| ADN603 | Lisa Tite | Nicollet, MN | 08-26-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 1735 |
| ADO093 | Valerie Tite | Nicollet, MN | 08-26-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1735 |
| AGI769 | Eric Howe | Pleasant Prairie, WI | 09-15-01 | 01-30-02 | Sierra Chincua, MICH, MX | Eduardo Rendon | 1733 |
| ACZ326 | Laura Cominetti-Richter | Black Earth, WI | 08-29-01 | 01-11-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1733 |
| ACZ293 | Laura Richter | Black Earth, WI | 08-29-01 | 03-12-02 | El Rosario, MICH, MX | Jorge Medina | 1733 |
| AFX184 | Doug Kuehn | Granger, IN | 08-27-01 | 03-06-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 1732 |
| AFX058 | Doug Kuehn | Granger, IN | 08-25-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1732 |
| AHE057 | Jo Ellen Meuninck | Mishawaka, IN | 08-23-01 | 03-01-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1731 |
| ADN999 | Lisa Tite | Nicollet, MN | 09-03-01 | 02-27-02 | Sierra Chincua, MICH, MX | Luis Martinez | 1731 |

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| ADN807 | Lisa Tite | Nicollet, MN | 09-02-01 | 03-04-02 | Sierra Chincua, MICH, MX | Juventino Martinez | 1731 |
| ADN960 | Lisa Tite | Mankato, MN | 09-03-01 | 03-08-02 | El Rosario, MICH, MX | Gerardo Garcia Martinez | 1730 |
| ADN561 | Lisa Tite | Mankato, MN | 08-25-01 | 03-01-02 | El Rosario, MICH, MX | Freddie Valencia | 1730 |
| ADO056 | Valerie Tite | Mankato, MN | 08-25-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1730 |
| ABL379 | David Rader | Ravenswood, WV | 09-06-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1729 |
| ACQ798 | Lee Zieke Lee | Burr Oak, IA | 09-11-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1729 |
| AHE050 | Jo Ellen Meuninck | Mishawaka, IN | 08-22-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1727 |
| 671JJ | John Gallagher | Evanston, IL | 09-19-99 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1727 |
| ADO065 | Valerie Tite | Mankato, MN | 08-26-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1726 |
| ADM748 | Chelsea Hill | Hayward, MN | 08-26-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1721 |
| ABL685 | Suzanne Strider | Durham, NC | 09-27-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1720 |
| AHA255 | Rhonda Skar | Thermopolis, WY | 09-19-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1718 |
| ACQ785 | Lee Zieke Lee | Burr Oak, IA | 09-10-01 | 01-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1714 |
| AHA260 | Rhonda Skar | Thermopolis, WY | 09-21-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1714 |
| ACR767 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-21-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Moreno | 1711 |
| ACR598 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1711 |
| ACX352 | Tim Donovan | Montfort, WI | 08-31-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1709 |
| ACA887 | Brian Menker | Springfield, OH | 09-08-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1708 |
| AEA067 | Barbara Van Diggelen | Park Ridge, IL | 08-24-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1707 |
| ADZ906 | James Trecker | Park Ridge, IL | 08-24-01 | 01-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1707 |
| ADM551 | Nathan Graff | Austin, MN | 08-29-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1707 |
| ADM791 | Chelsea Hill | Hayward, MN | 08-26-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1706 |
| ADM726 | Chelsea Hill | Hayward, MN | 08-26-01 | 01-11-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1706 |
| ADM674 | Chelsea Hilt | Hayward, MN | 08-24-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1706 |
| ADM600 | Chelsea Hilt | Hayward, MN | 08-23-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1706 |
| AGH255 | Larson Family | Decorah, IA | 09-10-01 | 01-18-02 | El Rosario, MICH, MX | Carlos Garcia | 1705 |
| AGH243 | Larson Family | Decorah, IA | 09-04-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1705 |
| AGH246 | Larson Family | Decorah, IA | 09-04-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1705 |
| AGH219 | Larson Family | Decorah, IA | 09-03-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1705 |
| AGH122 | Larson Family | Decorah, IA | 08-27-01 | 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 1705 |
| AGH070 | Larson Family | Decorah, IA | 08-26-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1705 |
| AGH097 | Larson Family | Decorah, IA | 08-26-01 | 03-06-02 | El Rosario, MICH, MX | Jose Joaquin Posados | 1705 |
| AGH058 | Larson Family | Decorah, IA | 08-26-01 | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1705 |
| AGH051 | Larson Family | Decorah, IA | 08-26-01 | 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 1705 |
| AGH084 | Larson Family | Decorah, IA | 08-26-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1705 |
| AGH079 | Larson Family | Decorah, IA | 08-26-01 | 01-20-02 | El Rosario, MICH, MX | Everando Garcia | 1705 |
| AGH012 | Larson Family | Decorah, IA | 08-22-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1705 |
| QZ579 | Karen Nance | Cresco, IA | 08-24-97 | 01-22-02 | El Rosario, MICH, MX | Herman Medina | 1704 |
| 228RW | Richard Wagoner | Cresco, IA | 09-18-01 | 01-30-02 | Sierra Chincua, MICH, MX | Eduardo Rendon | 1704 |
| AGH060 | Larson Family | Decorah, IA | 08-26-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1701 |
| ACR943 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-21-01 | 03-01-02 | El Rosario, MICH, MX | Carlos Luis Garcia Martinez | 1696 |
| ACR523 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 1696 |
| ACR466 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1696 |
| ACR463 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 03-04-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1696 |
| ACR640 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1696 |
| ACR635 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 02-26-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1696 |
| ACR566 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 02-18-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1696 |
| ACR454 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1696 |
| ACR526 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1696 |
| ACR175 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1696 |
| ACR055 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 03-12-02 | El Rosario, MICH, MX | Maria Guadalupe Cruz | 1696 |
| ACR036 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1696 |
| ACR259 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 02-18-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1696 |
| ACR222 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1696 |
| ACR233 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 01-18-02 | El Rosario, MICH, MX | Carlos Garcia | 1696 |
| ACR356 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1696 |
| ACR076 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 01-11-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1696 |
| AGP008 | Leza Raymond | Villa Park, IL | 08-26-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1696 |
| AEB381 | Ruth Little | Rockford, IL | 09-10-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1694 |
| AEB354 | Ruth Little | Rockford, IL | 09-10-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1694 |
| ACQ511 | Lee Zieke Lee | Ft Atkinson, IA | 09-05-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1693 |
| ACR854 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-21-01 | 03-04-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 1691 |
| ACR795 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-21-01 | 02-25-02 | Sierra Chincua, MICH, MX | Laura Molenaar | 1691 |
| ACR417 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1691 |

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| ACR445 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-20-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1691 |
| ACR305 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1691 |
| ACR188 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1691 |
| ACR144 | Jim, Linette, Grant & Lucas Langhus | Monona, IA | 08-19-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1691 |
| ACA760 | Susan Smith | Englewood, OH | 09-08-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1688 |
| AEA835 | Amy & Jon Cooper | Batavia, IL | 09-16-01 | 03-04-02 | El Rosario, MICH, MX | Jose Luis Garcia | 1686 |
| ACK034 | Lisa Ralls | Lake Mills, IA | 09-06-01 | 03-09-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1686 |
| ACK020 | Lisa Ralls | Lake Mills, IA | 09-06-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1686 |
| AIC965 | Charles Cameron | Greensboro, NC | 09-11-01 | 03-04-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1683 |
| AGF596 | Vivian Viskocil | Osage, IA | 08-28-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1683 |
| AEA856 | Amy & Jon Cooper | Batavia, IL | 09-22-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1682 |
| AHH286 | Rettenmeier | Aurora, IL | 08-31-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1681 |
| ACL407 | Connie Finder | Tripoli, IA | 08-24-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1680 |
| ACL529 | Stacey Newbrough | Tripoli, IA | 08-30-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1680 |
| ACM201 | Thomas Schilke | Tripoli, IA | 09-02-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1680 |
| ACJ787 | Lisa Ralls | Buffalo Center, IA | 08-27-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1679 |
| AFU955 | Jo Wilson | Waynesville, OH | 09-22-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1678 |
| AFU445 | Jo Wilson | Waynesville, OH | 09-18-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1678 |
| AFU645 | Joseph Bertolini | Waynesville, OH | 09-20-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1678 |
| AFU505 | Joseph Bertolini | Waynesville, OH | 09-16-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1678 |
| YD023 | Joseph Bertolini | Waynesville, OH | 09-15-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1678 |
| CT384 | Joseph Bertolini | Waynesville, OH | 09-15-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1678 |
| YD029 | Joseph Bertolini | Waynesville, OH | 09-15-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1678 |
| CT398 | Joseph Bertolini | Waynesville, OH | 09-15-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1678 |
| ACA926 | US Army Corps of Engineers | Waynesville, OH | 09-07-01 | 03-04-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1678 |
| ACC696 | Gary Harvey | Lynn, IN | 09-04-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1677 |
| AHW732 | Outdoor Campus | Sioux Falls, SD | 09-01-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Moreno | 1677 |
| AHX489 | Outdoor Campus | Sioux Falls, SD | 08-29-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1677 |
| AHU933 | Thea Miller Ryan | Sioux Falls, SD | 09-26-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1677 |
| ACK575 | Aaron Huegel | Charles City, IA | 08-31-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1676 |
| SD632 | Jerry Wiedman | Magnolia, MN | 09-09-98 | 01-06-02 | El Rosario, MICH, MX | Alejandro Gronados | 1674 |
| AFU526 | Joseph Bertolini | Waynesville, OH | 09-17-01 | 03-06-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 1674 |
| AHD992 | Judy Evans | Farmersville, OH | 09-13-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1674 |
| ACK042 | Lisa Ralls | Forest City, IA | 09-08-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1674 |
| AGL921 | John Zietlow | Manchester, IA | 08-22-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1673 |
| ACJ469 | Lisa Pleggen Kuhle | Mason City, IA | 09-16-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1673 |
| ACJ231 | Lisa Pleggen Kuhle | Mason City, IA | 08-31-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1673 |
| ACJ233 | Lisa Pleggen Kuhle | Mason City, IA | 08-31-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1673 |
| AGF742 | Bremer Co. Conservation Board | Sumner, IA | 09-06-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1671 |
| AGF720 | Bremer Co. Conservation Board | Sumner, IA | 09-05-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1671 |
| AGL250 | Glenda Heckenlaible | Harrisburg, SD | 08-28-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1670 |
| AGF067 | Kathleen Ziemer | Spirit Lake, IA | 08-30-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1668 |
| AGL965 | John Zietlow | Greeley, IA | 09-03-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1667 |
| ACL401 | Connie Finder | Tripoli, IA | 08-24-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1665 |
| ACL330 | Connie Finder | Tripoli, IA | 08-23-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1665 |
| ACL368 | Connie Finder | Tripoli, IA | 08-23-01 | 03-09-02 | El Rosario, MICH, MX | Laureano Garcia | 1665 |
| AGG724 | Phil & Garnetta Snyder | Tripoli, IA | 09-19-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1665 |
| AGG722 | Phil & Garnetta Snyder | Tripoli, IA | 09-09-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 1665 |
| AGG732 | Phil & Garnetta Snyder | Tripoli, IA | 09-09-01 | 02-26-02 | El Rosario, MICH, MX | Salvidor Soto Posadas | 1665 |
| ACM008 | Phil & Garnetta Snyder | Tripoli, IA | 09-03-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1665 |
| AGG440 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1665 |
| AGG482 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1665 |
| AGG346 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 02-28-02 | El Rosario, MICH, MX | Miguel Angel Martinez Garcia | 1665 |
| AGG434 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1665 |
| AGG675 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 02-27-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1665 |
| AGG457 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1665 |
| AGG240 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1665 |
| AGG557 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1665 |
| AGG298 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 01-06-02 | El Rosario, MICH, MX | Domingo Gonzalez | 1665 |
| ACL624 | Stacey Newbrough | Tripoli, IA | 08-30-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1665 |
| ACL655 | Stacey Newbrough | Tripoli, IA | 08-30-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1665 |
| ACL562 | Stacey Newbrough | Tripoli, IA | 08-30-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1665 |
| ACL634 | Stacey Newbrough | Tripoli, IA | 08-30-01 | 02-26-02 | El Rosario, MICH, MX | Romero Garcia Martinez | 1665 |
| ACL480 | Stacey Newbrough | Tripoli, IA | 08-28-01 | 01-31-02 | El Rosario, MICH, MX | Eduardo Rendon | 1665 |

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| ACL525 | Stacey Newbrough | Tripoli, IA | 08-28-01 | 01-18-02 | El Rosario, MICH, MX | Armado Garcia | 1665 |
| ACL893 | Stacey Newbrough | Tripoli, IA | 08-25-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1665 |
| ACL838 | Stacey Newbrough | Tripoli, IA | 08-25-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1665 |
| ACL820 | Stacey Newbrough | Tripoli, IA | 08-23-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1665 |
| ACL816 | Stacey Newbrough | Tripoli, IA | 08-23-01 | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1665 |
| ACL765 | Stacey Newbrough | Tripoli, IA | 08-20-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia Martinez | 1665 |
| ACL714 | Stacey Newbrough | Tripoli, IA | 08-19-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1665 |
| AGN936 | Stacey Snyder Newbrough | Tripoli, IA | 09-01-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1665 |
| ACM165 | Thomas Schilke | Tripoli, IA | 09-09-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1665 |
| ACM239 | Thomas Schilke | Tripoli, IA | 09-02-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1665 |
| ACM294 | Thomas Schilke | Tripoli, IA | 09-02-01 | 01-18-02 | El Rosario, MICH, MX | Armado Garcia | 1665 |
| AGP922 | Bopes Family | Rock Falls, IL | 08-03-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1663 |
| AGF099 | Kathleen & Doug Ziemer | Arnolds Park, IA | 09-01-01 | 01-11-02 | El Rosario, MICH, MX | Amado Garcia Garcia | 1663 |
| AGF097 | Kathleen Ziemer | Arnolds Park, IA | 09-01-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1663 |
| ADX183 | Carol Neeves | Sioux Falls, SD | 08-29-01 | 02-14-02 | El Rosario, MICH, MX | Nev Miller | 1662 |
| ADX164 | Carol Neeves | Sioux Falls, SD | 08-26-01 | 01-11-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1662 |
| ADX159 | Carol Neeves | Sioux Falls, SD | 08-24-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1662 |
| AHW910 | Diana & Brian Sneve | Sioux Falls, SD | 09-02-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1662 |
| AHW776 | Diana & Brian Sneve | Sioux Falls, SD | 09-02-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1662 |
| AHW839 | Diana & Brian Sneve | Sioux Falls, SD | 09-02-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1662 |
| AHW840 | Diana & Brian Sneve | Sioux Falls, SD | 09-02-01 | 02-13-02 | El Rosario, MICH, MX | Hugo Garcia | 1662 |
| AHW712 | Diana & Brian Sneve | Sioux Falls, SD | 09-01-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1662 |
| AHW749 | Diana & Brian Sneve | Sioux Falls, SD | 09-01-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1662 |
| AGL294 | Glenda Heckenlaible | Sioux Falls, SD | 09-04-01 | 02-16-02 | El Rosario, MICH, MX | Bernardo Garcia | 1662 |
| ADY486 | Holly Kullander | Sioux Falls, SD | 09-04-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1662 |
| ADY246 | Lana Kullander | Sioux Falls, SD | 09-11-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1662 |
| ADY210 | Lana Kullander | Sioux Falls, SD | 09-09-01 | 03-04-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1662 |
| ADY202 | Lana Kullander | Sioux Falls, SD | 09-09-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1662 |
| ADY157 | Lana Kullander | Sioux Falls, SD | 09-06-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1662 |
| ADY250 | Lana Kullander | Sioux Falls, SD | 09-06-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1662 |
| ADY259 | Lana Kullander | Sioux Falls, SD | 09-06-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1662 |
| ADY199 | Lana Kullander | Sioux Falls, SD | 09-06-01 | 02-13-02 | El Rosario, MICH, MX | Hugo Garcia | 1662 |
| ADY414 | Lana Kullander | Sioux Falls, SD | 09-06-01 | 01-21-02 | El Rosario, MICH, MX | Carlos D Garcia | 1662 |
| ADY391 | Lana Kullander | Sioux Falls, SD | 09-05-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 1662 |
| ADY059 | Lana Kullander | Sioux Falls, SD | 09-04-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1662 |
| ADY070 | Lana Kullander | Sioux Falls, SD | 09-04-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1662 |
| ADY101 | Lana Kullander | Sioux Falls, SD | 09-04-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1662 |
| AHW535 | Lana Kullander & Family | Sioux Falls, SD | 09-11-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1662 |
| AHW539 | Lana Kullander & Family | Sioux Falls, SD | 09-11-01 | 01-11-02 | El Rosario, MICH, MX | Gloria Garcia Garcia | 1662 |
| AHW986 | Lana Kullander & Family | Sioux Falls, SD | 09-06-01 | 02-27-02 | El Rosario, MICH, MX | Emerido Garcia | 1662 |
| AHX856 | Outdoor Campus | Sioux Falls, SD | 09-19-01 | 08-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1662 |
| AHX844 | Outdoor Campus | Sioux Falls, SD | 09-12-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1662 |
| AHX270 | Outdoor Campus | Sioux Falls, SD | 09-08-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1662 |
| AHX822 | Outdoor Campus | Sioux Falls, SD | 09-08-01 | 01-11-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1662 |
| AHW401 | Outdoor Campus | Sioux Falls, SD | 09-06-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1662 |
| AHW345 | Outdoor Campus | Sioux Falls, SD | 09-06-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1662 |
| AHW245 | Outdoor Campus | Sioux Falls, SD | 09-06-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1662 |
| AHW386 | Outdoor Campus | Sioux Falls, SD | 09-06-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1662 |
| AHW219 | Outdoor Campus | Sioux Falls, SD | 09-06-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1662 |
| AHW750 | Outdoor Campus | Sioux Falls, SD | 09-01-01 | ? | El Rosario, MICH, MX | Domingo Gonzalez | 1662 |
| AHW626 | Outdoor Campus | Sioux Falls, SD | 09-01-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1662 |
| AHW635 | Outdoor Campus | Sioux Falls, SD | 09-01-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1662 |
| AHZ979 | Outdoor Campus | Sioux Falls, SD | 08-29-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1662 |
| AHX453 | Outdoor Campus | Sioux Falls, SD | 08-29-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1662 |
| 011YM | Outdoor Campus | Sioux Falls, SD | 09-05-00 | 01-11-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1662 |
| AHW541 | Outdoor Campus | Sioux Falls, SD | 09-11-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1662 |
| AHW461 | Outdoor Campus | Sioux Falls, SD | 09-06-01 | 03-04-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1662 |
| AHX003 | Outdoor Campus | Sioux Falls, SD | 09-05-01 | 03-12-02 | El Rosario, MICH, MX | Jorge Medina | 1662 |
| AHW310 | Outdoor Campus | Sioux Falls, SD | 09-04-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1662 |
| AHW950 | Outdoor Campus | Sioux Falls, SD | 09-02-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1662 |
| AHW935 | Outdoor Campus | Sioux Falls, SD | 09-02-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1662 |
| AHW433 | Outdoor Campus | Sioux Falls, SD | 09-01-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1662 |
| AAD300 | Rebecca Olsen | Sioux Falls, SD | 09-06-01 | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1662 |
| AAD296 | Rebecca Olsen | Sioux Falls, SD | 09-06-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1662 |

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| AAD255 | Rebecca Olsen | Sioux Falls, SD | 09-05-01 | 03-09-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1662 |
| AAD267 | Rebecca Olsen | Sioux Falls, SD | 09-05-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1662 |
| AHW427 | Thea Miller Ryan | Sioux Falls, SD | 09-01-01 | 05-03-02 | El Rosario, MICH, MX | Lincoln Brower | 1662 |
| AHU942 | Thea Miller Ryan | Sioux Falls, SD | 08-31-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia Martinez | 1662 |
| AHU898 | Thea Miller Ryan | Sioux Falls, SD | 08-29-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1662 |
| AHU786 | Thea Miller Ryan | Sioux Falls, SD | 08-24-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1662 |
| ACL343 | Connie Finder | Tripoli, IA | 08-23-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1661 |
| AGG574 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1661 |
| AGG529 | Phil & Garnetta Snyder | Tripoli, IA | 09-02-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1661 |
| ACL961 | Stacey Newbrough | Tripoli, IA | 08-27-01 | 03-06-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1661 |
| ACL969 | Stacey Newbrough | Tripoli, IA | 08-27-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 1661 |
| ACL771 | Stacey Newbrough | Tripoli, IA | 08-20-01 | 01-11-02 | Sierra Chincua, MICH, MX | Eduardo Rendon | 1661 |
| ACM150 | Thomas Schilke | Tripoli, IA | 09-09-01 | 03-04-02 | Sierra Chincua, MICH, MX | Juventino Martinez | 1661 |
| ACM223 | Thomas Schilke | Tripoli, IA | 09-02-01 | 03-04-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1661 |
| ACP778 | Ann Burns | Bellevue, IA | 09-06-01 | 03-06-02 | Sierra Chincua, MICH, MX | Angela Gonzalez | 1659 |
| ACM376 | Sioux Co. Conservation | Boydton, IA | 09-06-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1659 |
| ACK935 | Sondra Cabell | Hazleton, IA | 09-10-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1659 |
| ACK844 | Sondra Cabell | Hazleton, IA | 09-02-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1659 |
| ACK791 | Sondra Cabell | Hazleton, IA | 08-27-01 | 03-06-02 | El Rosario, MICH, MX | Eloy Garcia Garcia | 1659 |
| AGM048 | John Zietlow | Manchester, IA | 08-28-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1658 |
| AGM047 | John Zietlow | Manchester, IA | 08-28-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1658 |
| AGM183 | John Zietlow | Manchester, IA | 08-28-01 | 01-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1658 |
| AGM261 | John Zietlow | Manchester, IA | 08-27-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1658 |
| AGL999 | John Zietlow | Manchester, IA | 08-27-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1658 |
| AGM373 | John Zietlow | Manchester, IA | 08-27-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 1658 |
| AGL912 | John Zietlow | Manchester, IA | 08-22-01 | 01-11-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1658 |
| AGM327 | West Delaware Middle School | Manchester, IA | 08-30-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1658 |
| AGM110 | West Delaware Middle School | Manchester, IA | 08-30-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1658 |
| AGM147 | West Delaware Middle School | Manchester, IA | 08-30-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia Martinez | 1658 |
| AGM070 | West Delaware Middle School | Manchester, IA | 08-28-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1658 |
| AGM036 | West Delaware Middle School | Manchester, IA | 08-28-01 | 03-04-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1658 |
| AGM023 | West Delaware Middle School | Manchester, IA | 08-28-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1658 |
| AGM017 | West Delaware Middle School | Manchester, IA | 08-28-01 | 01-24-02 | El Rosario, MICH, MX | Armado Garcia | 1658 |
| AGM041 | West Delaware Middle School | Manchester, IA | 08-28-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1658 |
| AGM227 | West Delaware Middle School | Manchester, IA | 08-27-01 | 03-01-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1658 |
| AGM243 | West Delaware Middle School | Manchester, IA | 08-27-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1658 |
| AGM307 | West Delaware Middle School | Manchester, IA | 08-27-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1658 |
| AGM371 | West Delaware Middle School | Manchester, IA | 08-27-01 | 02-21-02 | El Rosario, MICH, MX | Herman Medina | 1658 |
| AGL929 | West Delaware Middle School | Manchester, IA | 08-22-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1658 |
| AGL880 | West Delaware Middle School | Manchester, IA | 08-22-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1658 |
| AHW743 | Diana & Brian Sneve | Sioux Falls, SD | 09-01-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 1657 |
| AHW728 | Diana & Brian Sneve | Sioux Falls, SD | 09-01-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1657 |
| ADY273 | Lana Kullander | Sioux Falls, SD | 09-06-01 | 03-19-02 | Sierra Chincua, MICH, MX | Salvador Camacho Rivera | 1657 |
| ADY179 | Lana Kullander | Sioux Falls, SD | 09-06-01 | 03-06-02 | Sierra Chincua, MICH, MX | Alphonzo Garcia | 1657 |
| ADY081 | Lana Kullander | Sioux Falls, SD | 09-04-01 | 02-27-02 | Sierra Chincua, MICH, MX | Javier Martinez | 1657 |
| AHW223 | Outdoor Campus | Sioux Falls, SD | 09-06-01 | 02-27-02 | Sierra Chincua, MICH, MX | Miguel Angel Gonzalez | 1657 |
| AHW964 | Outdoor Campus | Sioux Falls, SD | 09-05-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1657 |
| AHW392 | Outdoor Campus | Sioux Falls, SD | 09-06-01 | 03-01-02 | Sierra Chincua, MICH, MX | Dave Kust | 1657 |
| AHW598 | Outdoor Campus | Sioux Falls, SD | 09-01-01 | ? | Sierra Chincua, MICH, MX | Liana Dunbar | 1657 |
| AHW722 | Outdoor Campus | Sioux Falls, SD | 09-01-01 | 03-19-02 | Sierra Chincua, MICH, MX | Salvador Camacho Rivera | 1657 |
| AHW745 | Outdoor Campus | Sioux Falls, SD | 09-01-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1657 |
| AHU911 | Thea Miller Ryan | Sioux Falls, SD | 08-29-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1657 |
| ACB037 | Joan Finney | Anderson, IN | 09-02-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1656 |
| AGL252 | Glenda Heckenlaible | Harrisburg, SD | 08-28-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1654 |
| AGL232 | Glenda Heckenlaible | Harrisburg, SD | 08-25-01 | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1654 |
| ADY293 | Glenda Heckenlaibl | Harrisburg, SD | 09-06-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1654 |
| AGM225 | John Zietlow | Manchester, IA | 08-27-01 | 02-25-02 | Sierra Chincua, MICH, MX | Laura Molenaar | 1654 |
| ACA671 | Richard Lee | Oxford, OH | 09-10-01 | 03-12-02 | El Rosario, MICH, MX | Jorge Medina | 1654 |
| ACA627 | Richard Lee | Oxford, OH | 09-10-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1654 |
| ACK846 | Sondra Cabell | Hazleton, IA | 09-04-01 | 03-01-02 | Sierra Chincua, MICH, MX | Dave Kust | 1654 |
| ACK834 | Sondra Cabell | Hazleton, IA | 09-02-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1654 |
| AGM113 | West Delaware Middle School | Manchester, IA | 08-30-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1654 |
| AGL978 | West Delaware Middle School | Manchester, IA | 08-27-01 | 02-27-02 | Sierra Chincua, MICH, MX | Miguel Angel Gonzalez | 1654 |
| AIQ676 | Jana Gangestad | Clarion, IA | 09-05-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1653 |

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|---------|---------------------------------|---------------------|-----------------------|--------------------------|-------------------------------|------|
| AGF785 | Bremer Co. Conservation Board | Waverly, IA | 09-10-01 03-04-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1652 |
| ACQ378 | Preston Elem. | Miles, IA | 08-19-01 01-22-02 | El Rosario, MICH, MX | Herman Medina | 1652 |
| AID159 | Hamilton Heights School | Arcadia, IN | 08-30-01 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1650 |
| AGQ066 | Bopes Family | Rock Falls, IL | 09-12-01 02-27-02 | El Rosario, MICH, MX | Alejandro Martinez | 1649 |
| AGQ042 | Bopes Family | Rock Falls, IL | 09-12-01 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 1649 |
| AGP784 | Bopes Family | Rock Falls, IL | 09-02-01 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1649 |
| AGP810 | Bopes Family | Rock Falls, IL | 09-02-01 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1649 |
| AGP833 | Bopes Family | Rock Falls, IL | 08-08-01 03-12-02 | El Rosario, MICH, MX | Jorge Medina | 1649 |
| AGP834 | Bopes Family | Rock Falls, IL | 08-08-01 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1649 |
| AGP827 | Bopes Family | Rock Falls, IL | 08-08-01 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1649 |
| AGP907 | Bopes Family | Rock Falls, IL | 08-03-01 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 1649 |
| ACL036 | Sondra Cabell | Independence, IA | 09-14-01 03-11-02 | El Rosario, MICH, MX | Elizabeth Janota | 1649 |
| ACK813 | Sondra Cabell | Independence, IA | 09-01-01 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1649 |
| ACQ331 | Preston Elem. | Miles, IA | 09-11-01 02-27-02 | Sierra Chincua, MICH, MX | Miguel Angel Gonzalez | 1648 |
| ACL020 | Sondra Cabell | Jesup, IA | 09-12-01 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 1647 |
| ACS194 | Troy & Michele Olson | Monticello, IA | ? 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1647 |
| ACS197 | Troy & Michele Olson | Monticello, IA | ? 02-16-02 | El Rosario, MICH, MX | Herman Medina | 1647 |
| ACS297 | Troy & Michele Olson | Monticello, IA | 09-10-01 01-18-02 | El Rosario, MICH, MX | Armado Garcia | 1647 |
| ACP814 | Ann Burns | Maquoketa, IA | 09-11-01 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1646 |
| ACP841 | Ann Burns | Maquoketa, IA | 09-10-01 03-04-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1646 |
| AGP781 | Bopes Family | Rock Falls, IL | 09-02-01 02-27-02 | Sierra Chincua, MICH, MX | Rigerberto Martinez Hernandez | 1644 |
| ACK946 | Sondra Cabell | Rowley, IA | 09-11-01 03-09-02 | El Rosario, MICH, MX | Viviana Cruz Rivas | 1644 |
| ACK986 | Sondra Cabell | Rowley, IA | 09-11-01 03-04-02 | El Rosario, MICH, MX | Jose Luis Garcia | 1644 |
| ABU517 | Sondra Cabell | Rowley, IA | 09-10-01 02-26-02 | El Rosario, MICH, MX | Juan Garcia Martinez | 1644 |
| ABU515 | Sondra Cabell | Rowley, IA | 09-10-01 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1644 |
| AHE824 | Carol Groen | Grundy Center, IA | 08-25-01 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1643 |
| AIS704 | Katie Lane | Waterloo, IA | 09-06-01 03-09-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1643 |
| ACP770 | Ann Burns | Maquoketa, IA | 09-03-01 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1642 |
| AIO521 | Donald Vogeler | Cincinnati, OH | 09-08-01 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1642 |
| AIO657 | Kali Parker | Clinton, IA | 09-12-01 03-12-02 | El Rosario, MICH, MX | Jorge Medina | 1641 |
| ACN400 | Nick Zirkelbach | Center Junction, IA | ? 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1641 |
| ACS121 | Troy & Michele Olson | Center Junction, IA | 09-11-01 01-18-02 | El Rosario, MICH, MX | Carlos Garcia | 1641 |
| ACM464 | Sioux Co. Conservation | Boyden, IA | 09-11-01 03-06-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 1639 |
| ACM191 | Thomas Schilke | Waterloo, IA | 09-16-01 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1639 |
| AFW053 | Jon Paul Longtin | Cincinnati, OH | 08-25-01 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1638 |
| AID798 | Calkins Nature Area | Iowa Falls, IA | 09-04-01 03-04-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1631 |
| ACU229 | David & Mary Ann Schanze | Grand Mound, IA | 09-12-01 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1631 |
| ACU282 | David & Mary Ann Schanze | Grand Mound, IA | 09-12-01 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1631 |
| ACU280 | David & Mary Ann Schanze | Grand Mound, IA | 09-12-01 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1631 |
| ACU124 | David & Mary Ann Schanze | Grand Mound, IA | 09-10-01 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1631 |
| ACU160 | David & Mary Ann Schanze | Grand Mound, IA | 09-10-01 03-08-02 | El Rosario, MICH, MX | Mariana Garcia martinez | 1631 |
| ACU198 | David & Mary Ann Schanze | Grand Mound, IA | 09-10-01 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1631 |
| ACU200 | David & Mary Ann Schanze | Grand Mound, IA | 09-10-01 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1631 |
| ACU116 | David & Mary Ann Schanze | Grand Mound, IA | 09-10-01 02-11-02 | El Rosario, MICH, MX | Herman Medina | 1631 |
| ACU004 | David & Mary Ann Schanze | Grand Mound, IA | 08-26-01 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1631 |
| AGE955 | Nancy Johnston | Princeton, IL | 09-06-01 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1629 |
| AHF286 | Carol Groen | Grundy Center, IA | 09-03-01 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1628 |
| AHF201 | Carol Groen | Grundy Center, IA | 09-03-01 02-28-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1628 |
| AHF279 | Carol Groen | Grundy Center, IA | 09-03-01 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1628 |
| AHF081 | Carol Groen | Grundy Center, IA | 09-02-01 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 1628 |
| AHF105 | Carol Groen | Grundy Center, IA | 09-02-01 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 1628 |
| AHF118 | Carol Groen | Grundy Center, IA | 09-01-01 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1628 |
| AHF017 | Carol Groen | Grundy Center, IA | 09-01-01 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1628 |
| AHE975 | Carol Groen | Grundy Center, IA | 08-27-01 03-08-02 | El Rosario, MICH, MX | Gerardo Garcia Martinez | 1628 |
| AHE954 | Carol Groen | Grundy Center, IA | 08-27-01 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1628 |
| AHE937 | Carol Groen | Grundy Center, IA | 08-26-01 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1628 |
| AHE915 | Carol Groen | Grundy Center, IA | 08-26-01 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1628 |
| AHE814 | Carol Groen | Grundy Center, IA | 08-24-01 01-11-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1628 |
| AHE785 | Carol Groen | Grundy Center, IA | 08-24-01 01-06-02 | El Rosario, MICH, MX | Domingo Gonzalez | 1628 |
| ACU193 | David & Mary Ann Schanze | Grand Mound, IA | 09-10-01 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1627 |
| ACN114 | Woodbury Co. Conservation Board | West Hawarden, IA | 09-01-01 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1626 |
| 250JI | David & Mary Ann Schanze | Long Grove, IA | 09-22-99 12-01-00 | El Rosario, MICH, MX | Janice Johnson | 1625 |
| AFW575 | Leslie Wilkinson | Indianapolis, IN | 09-08-01 03-09-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1624 |
| AFW566 | Leslie Wilkinson | Indianapolis, IN | 09-08-01 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 1624 |

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| AFW641 | Leslie Wilkinson | Indianapolis, IN | 09-08-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1624 |
| AFW552 | Leslie Wilkinson | Indianapolis, IN | 09-08-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1624 |
| AFW488 | Leslie Wilkinson | Indianapolis, IN | 09-08-01 | 01-20-02 | El Rosario, MICH, MX | Everardo Garcia | 1624 |
| AHE918 | Carol Groen | Grundy Center, IA | 08-26-01 | 03-06-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1623 |
| AHE905 | Carol Groen | Grundy Center, IA | 08-26-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1623 |
| ACS646 | Cathy Irvine | Dysart, IA | 09-02-01 | 03-06-02 | El Rosario, MICH, MX | Jose Joaquin Posados | 1623 |
| ACS686 | Cathy Irvine | Dysart, IA | 09-02-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1623 |
| ACS660 | Cathy Irvine | Dysart, IA | 09-02-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1623 |
| ACS697 | Cathy Irvine | Dysart, IA | 09-02-01 | 01-06-02 | El Rosario, MICH, MX | Jaime Gonzalez Gonzalez | 1623 |
| ACS556 | Cathy Irvine | Dysart, IA | 09-01-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1623 |
| ACS614 | Cathy Irvine | Dysart, IA | 09-01-01 | 03-04-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1623 |
| ACS484 | Cathy Irvine | Dysart, IA | 09-01-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1623 |
| AFW704 | Leslie Wilkinson | Indianapolis, IN | 09-08-01 | 02-26-02 | Sierra Chincua, MICH, MX | Abel Valdez Martinez | 1620 |
| ABX878 | Rene Behrend | Brownsburg, IN | 09-02-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1620 |
| ACH859 | Marshall Co. Conservation Board | Marshalltown, IA | 09-05-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1619 |
| ACS495 | Cathy Irvine | Dysart, IA | 09-01-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1618 |
| ACS377 | Mrs. Carrie Taylor | Dysart, IA | 09-22-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1618 |
| AIE128 | Fort Dodge Senior High Students | Fort Dodge, IA | 09-30-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1617 |
| AIE146 | Fort Dodge Senior High Students | Fort Dodge, IA | 08-31-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1617 |
| AIE174 | Rod Huisman | Fort Dodge, IA | 09-07-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1617 |
| AIE159 | Rod Huisman | Fort Dodge, IA | 09-07-01 | 03-01-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1617 |
| ACI820 | Judy Staples | New Providence, IA | 09-04-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1616 |
| AEB937 | United Township High School | East Moline, IL | 09-11-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1616 |
| AHG212 | Karen Beitzel | Davenport, IA | 09-20-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1615 |
| AHF987 | Monica Beitzel | Davenport, IA | 09-03-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1615 |
| AIL931 | Buena Vista Co. Conservation | Storm Lake, IA | 09-04-01 | 03-03-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1614 |
| AIE201 | Rod Huisman | Fort Dodge, IA | 09-07-01 | 03-06-02 | Sierra Chincua, MICH, MX | Rigerberto Martinez Garcia | 1613 |
| ACK821 | Sondra Cabell | Newhall, IA | 09-02-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1613 |
| QW464 | Amy Sandgren | Rock Island, IL | ? | 01-11-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1611 |
| AHG031 | Karen Beitzel | Davenport, IA | 09-04-01 | 02-27-02 | Sierra Chincua, MICH, MX | Miguel Angel Gonzalez | 1611 |
| AHF965 | Karen Beitzel | Davenport, IA | 09-03-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1611 |
| ACB180 | Vickie Dykhuizen | Franklin, WV | 09-10-01 | 01-20-02 | El Rosario, MICH, MX | Everardo Garcia | 1611 |
| ACM886 | Woodbury Co. Conservation Board | Merrill, IA | 09-03-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1609 |
| AHH057 | Alex Schaack | Vermillion, SD | 09-01-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1608 |
| ACT495 | Dan Banta | West Branch, IA | 09-02-01 | 02-15-02 | El Rosario, MICH, MX | Helen Guilbert & Sr. Diego Castro Ruiz | 1608 |
| ABL784 | Joan Hearn | Boone, NC | 09-23-01 | 02-13-02 | El Rosario, MICH, MX | Hugo Garcia | 1608 |
| ACI473 | Marshall Co. Conservation Board | Albion, IA | 09-01-01 | 03-09-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1608 |
| ACI359 | Marshall Co. Conservation Board | Albion, IA | 08-31-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 1608 |
| ACI292 | Marshall Co. Conservation Board | Albion, IA | 08-31-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1608 |
| ACI395 | Marshall Co. Conservation Board | Albion, IA | 08-31-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1608 |
| ACI398 | Marshall Co. Conservation Board | Albion, IA | 08-31-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1608 |
| ACI288 | Marshall Co. Conservation Board | Albion, IA | 08-31-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1608 |
| 803JP | Schaack Family | Vermillion, SD | 08-21-99 | 12-01-00 | El Rosario, MICH, MX | Janice Johnson | 1608 |
| AIE757 | Audubon School | Rock Island, IL | 09-11-01 | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez M+G902artinez | 1606 |
| ON307 | Carol Van De Walle | Lynn Center, IL | 09-01-01 | 02-13-02 | El Rosario, MICH, MX | Bill & Jane Stocklin | 1604 |
| ACI071 | Marshall Co. Conservation Board | Marshalltown, IA | 09-17-01 | 02-18-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1604 |
| ACI094 | Marshall Co. Conservation Board | Marshalltown, IA | 09-13-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1604 |
| ACI057 | Marshall Co. Conservation Board | Marshalltown, IA | 09-13-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1604 |
| ACI100 | Marshall Co. Conservation Board | Marshalltown, IA | 09-10-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1604 |
| ACI105 | Marshall Co. Conservation Board | Marshalltown, IA | 09-10-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1604 |
| ACH817 | Marshall Co. Conservation Board | Marshalltown, IA | 09-05-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1604 |
| ACH860 | Marshall Co. Conservation Board | Marshalltown, IA | 09-05-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1604 |
| ACH879 | Marshall Co. Conservation Board | Marshalltown, IA | 09-05-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1604 |
| ACI738 | Marshall Co. Conservation Board | Marshalltown, IA | 09-04-01 | 03-06-02 | El Rosario, MICH, MX | Eloy Garcia Garcia | 1604 |
| ACI604 | Marshall Co. Conservation Board | Marshalltown, IA | 09-04-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1604 |
| ACI618 | Marshall Co. Conservation Board | Marshalltown, IA | 09-04-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1604 |
| ACI659 | Marshall Co. Conservation Board | Marshalltown, IA | 09-04-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1604 |
| ACI320 | Marshall Co. Conservation Board | Marshalltown, IA | 08-31-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1604 |
| ACI176 | Marshall Co. Conservation Board | Marshalltown, IA | 08-05-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1604 |
| 300TT | Annette Heath | Columbus, IN | 09-17-01 | 01-24-02 | El Rosario, MICH, MX | Armado Garcia | 1600 |
| ACC147 | Cathy Caldie | Columbus, IN | 09-17-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1600 |
| ACH863 | Marshall Co. Conservation Board | Marshalltown, IA | 09-05-01 | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez Martinez | 1600 |
| ACH955 | Marshall Co. Conservation Board | Marshalltown, IA | 09-05-01 | 03-04-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 1600 |
| ACI707 | Marshall Co. Conservation Board | Marshalltown, IA | 09-04-01 | 03-04-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1600 |

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|---------|---------------------------------|--------------------|-----------------------|----------|--------------------------|--|-------|
| ACI446 | Marshall Co. Conservation Board | Marshalltown, IA | 09-01-01 | 03-06-02 | Sierra Chincua, MICH, MX | Leon Valdez | 1600 |
| ACI332 | Marshall Co. Conservation Board | Marshalltown, IA | 08-31-01 | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez Martinez | 1600 |
| ACI201 | Marshall Co. Conservation Board | State Center, IA | 09-05-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1599 |
| AIE001 | Michelle Ward | Story City, IA | 09-15-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1599 |
| AEA794 | Amy & Jon Cooper | Alpha, IL | 09-02-01 | 02-11-02 | El Rosario, MICH, MX | Herman Medina | 1597 |
| ACN031 | Theresa Minaya | Salix, IA | 09-06-01 | 03-03-02 | Cerro Pelon, MICH, MX | Meciados Moreno | 1597 |
| AGG914 | Marge Middaugh | Glidden, IA | 09-01-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1596 |
| SJ644 | Carroll Middle School | Carroll, IA | 09-06-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1595 |
| ACM924 | Woodbury Co. Conservation Board | Sioux City, IA | 09-05-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1593 |
| ACG865 | John F & B47 John D Obrycki | Ames, IA | 09-05-01 | 02-21-02 | El Rosario, MICH, MX | Herman Medina | 1592 |
| RX454 | Royce Bitzer | Ames, IA | 09-14-97 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1592 |
| ACH061 | Suellen Pometto | Boone, IA | 09-06-01 | 03-04-02 | El Rosario, MICH, MX | Jose Luis Garcia | 1591 |
| ACH058 | Suellen Pometto | Boone, IA | 09-05-01 | 03-04-02 | El Rosario, MICH, MX | Rogelio Garcia | 1591 |
| ACH054 | Suellen Pometto | Boone, IA | 09-04-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1591 |
| ACM675 | Woodbury Co. Conservation Board | Anthon, IA | 09-07-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1590 |
| ACM764 | Woodbury Co. Conservation Board | Sergeant Bluff, IA | 09-05-01 | 03-09-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1587 |
| ACM811 | Woodbury Co. Conservation Board | Segcant Bluff, IA | 09-02-01 | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 1587 |
| AGQ547 | Joe Lierman | Homer Lake, IL | 09-06-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1586 |
| ACH056 | Suellen Pometto | Boone, IA | 09-05-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1586 |
| ACH468 | Deb Williams | Huxley, IA | 09-13-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1584 |
| ACH498 | Deb Williams | Huxley, IA | 09-13-01 | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1584 |
| ACH331 | Deb Williams | Huxley, IA | 09-10-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1584 |
| ACH321 | Deb Williams | Huxley, IA | 09-10-01 | 02-15-02 | El Rosario, MICH, MX | Helen Guilbert & Sr. Diego Castro Ruiz | 1584 |
| ACH305 | Deb Williams | Huxley, IA | 09-08-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1584 |
| ACH286 | Deb Williams | Huxley, IA | 09-08-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1584 |
| AGQ483 | Gregory Walburg | Urbana, IL | 09-08-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1584 |
| AGQ462 | Gregory Walburg | Urbana, IL | 09-08-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1584 |
| AGQ446 | Gregory Walburg | Urbana, IL | 09-05-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1584 |
| 410ZX | Carla Hilgenberg | Jefferson, IA | 09-02-01 | 03-09-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1582 |
| ACN042 | Woodbury Co. Conservation Board | Salix, IA | 09-06-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1581 |
| ACH261 | Deb Williams | Huxley, IA | 09-06-01 | 03-19-02 | Sierra Chincua, MICH, MX | Salvador Camacho Rivera | 1580 |
| ACH202 | Deb Williams | Huxley, IA | 09-04-01 | 03-06-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1580 |
| AGG940 | Marge Middaugh | Glidden, IA | 09-03-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1580 |
| AGG972 | Marge Middaugh | Glidden, IA | 09-03-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1580 |
| AGG916 | Marge Middaugh | Glidden, IA | 09-02-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1580 |
| AHR577 | Alissa Caltrider | Carroll, IA | 09-05-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1579 |
| AHR326 | Amanda Jochims | Carroll, IA | 09-05-01 | 02-11-02 | El Rosario, MICH, MX | Herman Medina | 1579 |
| AHR391 | Amber Sorensen | Carroll, IA | 09-05-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1579 |
| AHR475 | Andrew Kennebeck | Carroll, IA | 09-05-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1579 |
| ACO115 | Bill Van Zuiden | Carroll, IA | 08-30-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1579 |
| ACO265 | Carroll Co. Conservation | Carroll, IA | 09-07-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1579 |
| ACO066 | Carroll Co. Conservation | Carroll, IA | 09-01-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1579 |
| ACO061 | Carroll Co. Conservation | Carroll, IA | 08-29-01 | 02-16-02 | El Rosario, MICH, MX | Armado Garcia | 1579 |
| SJ669 | Carroll Middle School | Carroll, IA | 09-06-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1579 |
| SJ666 | Carroll Middle School | Carroll, IA | 09-06-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1579 |
| AHR403 | Carroll Middle School | Carroll, IA | 09-05-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1579 |
| AHR605 | Carroll Middle School | Carroll, IA | 09-05-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1579 |
| AHR269 | Carroll Middle School | Carroll, IA | 09-04-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 1579 |
| AHR248 | Carroll Middle School | Carroll, IA | 09-04-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1579 |
| AHR125 | Carroll Middle School | Carroll, IA | 09-04-01 | 03-01-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1579 |
| AHR289 | Colten Buetel | Carroll, IA | 09-05-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1579 |
| AHR231 | Dave Bowman | Carroll, IA | 09-04-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1579 |
| AHR222 | Dave Bowman's Class | Carroll, IA | 09-04-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1579 |
| AHR212 | Dave Bowman's Class | Carroll, IA | 09-04-01 | 02-21-02 | El Rosario, MICH, MX | Romero Garcia | 1579 |
| AHR372 | Katie Hennessey | Carroll, IA | 09-05-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1579 |
| AHR600 | Kellie Proctor | Carroll, IA | 09-05-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1579 |
| SJ626 | Megan Cook | Carroll, IA | 09-06-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1579 |
| AHR161 | Mike Taylor | Carroll, IA | 09-04-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1579 |
| AHR362 | Rebecca Morse | Carroll, IA | 09-05-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1579 |
| AHR500 | Sean Boes | Carroll, IA | 09-05-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1579 |
| AHR556 | Sean Boes | Carroll, IA | 09-05-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1579 |
| 403ZX | Carla Hilgenberg | Jefferson, IA | 09-02-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1578 |
| AHP785 | Judy Carson | Spruce Pine, NC | 09-16-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1578 |
| ABL927 | Judy Carson | Spruce Pine, NC | 08-28-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1578 |

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|---------|---------------------------|--------------------|----------|-----------------------|--------------------------|-------------------------------|-------|
| ACO155 | Meredith Van Zuiden | Carroll, IA | 08-30-01 | 03-06-02 | Sierra Chincua, MICH, MX | Rigerberto Martinez Garcia | 1575 |
| AHR506 | Sean Boes | Carroll, IA | 09-05-01 | 02-27-02 | Sierra Chincua, MICH, MX | Rigerberto Martinez Hernandez | 1575 |
| AHR471 | Stacie Wiederin | Carroll, IA | 09-05-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1575 |
| AED386 | Suzanne Cook | Pekin, IL | 09-23-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1575 |
| AED314 | Suzanne Cook | Pekin, IL | 09-10-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1575 |
| AED279 | Suzanne Cook | Pekin, IL | 09-08-01 | 03-09-02 | El Rosario, MICH, MX | Lurdes Garcia Gonzalez | 1575 |
| AED271 | Suzanne Cook | Pekin, IL | 09-06-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1575 |
| AED207 | Suzanne Cook | Pekin, IL | 08-31-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1575 |
| ACO021 | Holy Trinity K-3, Halbur | Halbur, IA | 09-05-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1574 |
| ACT588 | Maurice Le Master | Mt. Pleasant, IA | 09-18-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1573 |
| AHQ882 | Chris Adkins | Redfield, IA | 09-13-01 | 03-03-02 | Cerro Pelon, MICH, MX | Juan Manuel De Jesus Comache | 1571 |
| AED351 | Suzanne Cook | Pekin, IL | 09-20-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1571 |
| AHQ804 | Lewis Major | Altoona, IA | 09-12-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1570 |
| ACI790 | Christy Mc Coy | Minburn, IA | 09-11-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1569 |
| ACI785 | Christy Mc Coy | Minburn, IA | 09-11-01 | 03-04-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1569 |
| ACI755 | Christy Mc Coy's Students | Minburn, IA | 09-11-01 | 01-20-02 | El Rosario, MICH, MX | Everando Garcia | 1569 |
| ABL939 | Judy Carson | Burnsville, NC | 09-19-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1568 |
| ACO223 | Carroll Co. Conservation | Manning, IA | 09-07-01 | 02-26-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1566 |
| ACJ127 | Bill Main | Des Moines, IA | 09-01-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1563 |
| ACJ040 | Melanie Perry | Des Moines, IA | 09-14-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1563 |
| ACJ048 | Melanie Perry | Des Moines, IA | 09-14-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1563 |
| ACI945 | Sheralyn Fulker | Pella, IA | 09-19-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1563 |
| ACI942 | Sheralyn Fulker | Pella, IA | 09-17-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Morelo | 1563 |
| ACI914 | Sheralyn Fulker | Pella, IA | 09-01-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1563 |
| AFZ593 | Susan Jahn | Des Moines, IA | 08-28-01 | 03-12-02 | El Rosario, MICH, MX | Maria Guadalupe Cruz | 1563 |
| AFZ596 | Susan Jahn | Des Moines, IA | 08-28-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1563 |
| AFZ544 | Susan Jahn | Des Moines, IA | 08-24-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1563 |
| ACJ243 | Todd Von Ehwegen | Des Moines, IA | 09-01-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1563 |
| ACI968 | Adam Buck | Des Moines, IA | 09-15-01 | 03-06-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 1559 |
| ACI962 | Adam Buck | Des Moines, IA | 09-08-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1559 |
| ACJ240 | Lisa Pleggen Kuhle | Des Moines, IA | 09-01-01 | 01-06-02 | Sierra Chincua, MICH, MX | Victoria Guzmán | 1559 |
| ACT649 | Maurice Le Master | Mt Pleasant, IA | ? | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1559 |
| ACT561 | Maurice Le Master | Mt. Pleasant, IA | 09-20-01 | 02-16-02 | El Rosario, MICH, MX | Armado Garcia | 1559 |
| ACJ065 | Melanie Perry | Des Moines, IA | 09-14-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1559 |
| AHQ880 | Chris Adkins | Redfield, IA | 09-13-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1556 |
| AHQ864 | Chris Adkins | Redfield, IA | 09-12-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1556 |
| AIN089 | Audubon 7th Grade Science | Audubon, IA | 09-05-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 1555 |
| AIN050 | Audubon 7th Grade Science | Audubon, IA | 09-05-01 | 03-09-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1555 |
| AIN117 | Audubon 7th Grade Science | Audubon, IA | 09-05-01 | 03-01-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1555 |
| AIN104 | Kim Subbert | Audubon, IA | 09-05-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1555 |
| AIN075 | Kim Subbert | Audubon, IA | 09-05-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1555 |
| AIN096 | Kim Subbert | Audubon, IA | 09-05-01 | 02-26-02 | El Rosario, MICH, MX | Salvidor Soto Posadas | 1555 |
| AIN029 | Kim Subbert | Audubon, IA | 09-05-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1555 |
| AEN258 | Laura Hansen | Lyons, NE | 09-09-01 | 02-16-02 | El Rosario, MICH, MX | Bernardo Garcia | 1554 |
| AEN221 | Laura Hansen | Lyons, NE | 09-08-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1554 |
| AEN186 | Laura Hansen | Lyons, NE | 09-06-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1554 |
| ACT621 | Maurice Le Master | Mt. Pleasant, IA | 09-18-01 | 03-04-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 1554 |
| AED906 | Tracy Trimpe | Bath, IL | 09-11-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1554 |
| AHQ856 | Chris Adkins | Redfield, IA | 09-11-01 | 02-26-02 | Sierra Chincua, MICH, MX | Abel Valdez Martinez | 1551 |
| AEC661 | Ginger Carter | Lomax, IL | 09-21-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1550 |
| AEC586 | Ginger Carter | Lomax, IL | 09-11-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1550 |
| AHD469 | John Mc Cord | Folly Beach, SC | 10-27-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1548 |
| AER659 | Amber Shelly | Oakland, NE | 09-11-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1547 |
| AER642 | Andy Huber | Oakland, NE | 09-12-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1547 |
| AER803 | Brooke Anderson | Oakland, NE | 09-11-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1547 |
| AER630 | Chance Berg | Oakland, NE | 09-11-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1547 |
| AER745 | Cindy Carlson | Oakland, NE | 09-11-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1547 |
| AER898 | Dale Mundil | Oakland, NE | 09-12-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1547 |
| AER900 | Deann Gillett | Oakland, NE | 09-13-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1547 |
| AER692 | Eric Peterson | Oakland, NE | 09-11-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1547 |
| AER676 | Jacob Johnson | Oakland, NE | 09-11-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1547 |
| AER612 | Shannon Van Foeken | Oakland, NE | 09-12-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1547 |
| AEC677 | Ginger Carter | Lomax, IL | 09-21-01 | 03-01-02 | Sierra Chincua, MICH, MX | Francisco Ambrosio Martinez | 1546 |
| AGH550 | Mandi Moore | Ottumwa, IA | 08-28-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1546 |

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| 721QC | Billy Mc Cord | Folly Beach, SC | 10-18-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1545 |
| AIR299 | Lakeview Nature Center | Macomb, IL | 09-22-01 | 02-26-02 | El Rosario, MICH, MX | Juan Garcia Martinez | 1545 |
| AHS767 | Macomb Monarch Watch | Macomb, IL | 09-12-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1545 |
| AHS730 | Macomb Monarch Watch | Macomb, IL | 09-08-01 | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 1545 |
| AER908 | Deann Gillett | Oakland, NE | 09-13-01 | 03-04-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1543 |
| AED956 | Havana Jr High | Bath, IL | 09-14-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1540 |
| AED948 | Havana Jr High | Bath, IL | 09-12-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1540 |
| AEF012 | Tracy Trimpe | Bath, IL | 09-15-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1540 |
| ACG970 | Andria Cossolotto | Anita, IA | 09-10-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1539 |
| AFM825 | Paul Opler & B852 Evi Buckner | Goshen County, WY | 08-26-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1538 |
| ACG911 | Andria Cossolotto | Atlantic, IA | 09-04-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1532 |
| ACH020 | Angie Worth | Atlantic, IA | 09-06-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1532 |
| AGH868 | April Pollmann | Drakesville, IA | 09-21-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1531 |
| AGH795 | April Pollmann | Drakesville, IA | 09-12-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1531 |
| AGH664 | April Pollmann | Drakesville, IA | 09-10-01 | 03-09-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1531 |
| AGH679 | April Pollmann | Drakesville, IA | 09-10-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1531 |
| AGH633 | April Pollmann | Drakesville, IA | 09-09-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1531 |
| AGH360 | Laurie Bartle | Drakesville, IA | 09-20-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 1531 |
| AGE384 | Wanda Johnson | Fontanelle, IA | 09-08-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1531 |
| ACP279 | Chris Williams | Council Bluffs, IA | 09-18-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1528 |
| ACO905 | Karen, Jen & Diana Turnbeaugh | Council Bluffs, IA | 09-16-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1528 |
| AGH657 | April Pollmann | Drakesville, IA | 09-10-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1526 |
| AGH704 | April Pollmann | Drakesville, IA | 08-10-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1526 |
| AED853 | Zach Calumber | Shelby Co, IL | 09-02-01 | 03-06-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1526 |
| PD020 | Mike Williams | North Bend, NE | 09-17-97 | 01-11-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1519 |
| ACP060 | Chris Williams | Council Bluffs, IA | 09-30-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1512 |
| ACO891 | Chris Williams | Council Bluffs, IA | 09-11-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1512 |
| ACP337 | Chris Williams | Council Bluffs, IA | 09-08-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1512 |
| AER977 | Fontenelle Nature Association | Omaha, NE | 09-12-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1512 |
| AER952 | Fontenelle Nature Association | Omaha, NE | 09-12-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1512 |
| AES536 | Ken Staroska | Omaha, NE | 09-22-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1512 |
| AES510 | Ken Staroska | Omaha, NE | 09-21-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1512 |
| AES507 | Ken Staroska | Omaha, NE | 09-21-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1512 |
| AES502 | Ken Staroska | Omaha, NE | 09-20-01 | 02-28-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1512 |
| AES499 | Ken Staroska | Omaha, NE | 09-20-01 | 02-26-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1512 |
| AES484 | Ken Staroska | Omaha, NE | 09-20-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1512 |
| AES446 | Ken Staroska | Omaha, NE | 09-19-01 | 02-13-02 | El Rosario, MICH, MX | Barbara and gary Steps | 1512 |
| AES437 | Ken Staroska | Omaha, NE | 09-18-01 | 01-18-02 | El Rosario, MICH, MX | Armado Garcia | 1512 |
| AES412 | Ken Staroska | Omaha, NE | 09-17-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1512 |
| AES418 | Ken Staroska | Omaha, NE | 09-17-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1512 |
| AES292 | Ken Staroska | Omaha, NE | 09-14-01 | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1512 |
| AES269 | Ken Staroska | Omaha, NE | 09-13-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1512 |
| AES278 | Ken Staroska | Omaha, NE | 09-13-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1512 |
| AES273 | Ken Staroska | Omaha, NE | 09-13-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1512 |
| AES185 | Ken Staroska | Omaha, NE | 09-12-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1512 |
| AES219 | Ken Staroska | Omaha, NE | 09-12-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1512 |
| AES193 | Ken Staroska | Omaha, NE | 09-12-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1512 |
| AES206 | Ken Staroska | Omaha, NE | 09-12-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1512 |
| AES201 | Ken Staroska | Omaha, NE | 09-12-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1512 |
| AES066 | Ken Staroska | Omaha, NE | 09-10-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1512 |
| AES089 | Ken Staroska | Omaha, NE | 09-10-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1512 |
| ACO400 | Nancy Hubbard | Council Bluffs, IA | 10-01-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1512 |
| ACO357 | Nancy Hubbard | Council Bluffs, IA | 09-19-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1512 |
| ACO300 | Nancy Hubbard | Council Bluffs, IA | 09-12-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1512 |
| ACO323 | Nancy Hubbard | Council Bluffs, IA | 09-12-01 | 03-04-02 | El Rosario, MICH, MX | Rogelio Garcia | 1512 |
| ACO308 | Nancy Hubbard | Council Bluffs, IA | 09-12-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1512 |
| ACO304 | Nancy Hubbard | Council Bluffs, IA | 09-12-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1512 |
| ACO288 | Nancy Hubbard | Council Bluffs, IA | 09-07-01 | 02-26-02 | El Rosario, MICH, MX | Miguel Angel Martinez Garcia | 1512 |
| AER999 | Fontenelle Nature Association | Omaha, NE | 09-20-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 1508 |
| AES456 | Ken Staroska | Omaha, NE | 09-19-01 | 03-06-02 | Sierra Chincua, MICH, MX | Joan Smith | 1508 |
| AES119 | Ken Staroska | Omaha, NE | 09-10-01 | 01-22-02 | Sierra Chincua, MICH, MX | Jordi Honey-Roses | 1508 |
| ACO369 | Nancy Hubbard | Council Bluffs, IA | 09-20-01 | 03-06-02 | Sierra Chincua, MICH, MX | Angela Gonzalez | 1508 |
| ACO374 | Nancy Hubbard | Council Bluffs, IA | 09-20-01 | 03-06-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1508 |
| ACO368 | Nancy Hubbard | Council Bluffs, IA | 09-20-01 | 03-04-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 1508 |

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| ACO367 | Nancy Hubbard | Council Bluffs, IA | 09-20-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1508 |
| ACO356 | Nancy Hubbard | Council Bluffs, IA | 09-19-01 | 03-04-02 | Sierra Chincua, MICH, MX | Benito Vidal Cruz | 1508 |
| ACO316 | Nancy Hubbard | Council Bluffs, IA | 09-12-01 | 01-22-02 | Sierra Chincua, MICH, MX | Jordi Honey-Roses | 1508 |
| AIG791 | Jan Tell | Grand Island, NE | 09-19-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1488 |
| ACC927 | Linda Brown | Newburgh, IN | 09-23-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1482 |
| ACC823 | Linda Brown | Newburgh, IN | 09-19-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1482 |
| ACC774 | Linda Brown | Newburgh, IN | 09-08-01 | 02-16-02 | El Rosario, MICH, MX | Armado Garcia | 1482 |
| ACC978 | Lynda Johnston | Newburgh, IN | 09-17-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1482 |
| ABT239 | Janice Pelton | Cactus Cove, TN | 09-28-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 1476 |
| AGT175 | Rosemary Thornton | Lincoln, NE | 09-19-01 | 03-09-02 | El Rosario, MICH, MX | Daniel Garcia Martinez | 1476 |
| AGT180 | Rosemary Thornton | Lincoln, NE | 09-19-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1476 |
| ACC878 | Linda Brown | Henderson, KY | 09-15-01 | 03-12-02 | El Rosario, MICH, MX | Jorge Medina | 1470 |
| ACC901 | Linda Brown | Henderson, KY | 09-15-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1470 |
| AIN887 | Morton Elem. School | Hastings, NE | 09-14-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1465 |
| ABU255 | Brian Gasdorf | Corydon, KY | 09-15-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1460 |
| ABU178 | Brian Gasdorf | Corydon, KY | 09-15-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1460 |
| ABU055 | Brian Gasdorf | Corydon, KY | 09-15-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1460 |
| ABU064 | Brian Gasdorf | Corydon, KY | 09-15-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia--Martinez | 1460 |
| ABU122 | Brian Gasdorf | Corydon, KY | 09-15-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1460 |
| ABU050 | Sondra Cabell | Corydon, KY | 09-15-01 | 01-11-02 | El Rosario, MICH, MX | Amado Garcia Garcia | 1460 |
| ABU339 | Brian Gasdorf | Corydon, KY | 09-17-01 | 03-04-02 | Sierra Chincua, MICH, MX | Manuel Valdez Ambrosio | 1456 |
| AIN780 | Morton Elem. School | Hastings, NE | 09-14-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 1449 |
| AIN718 | Morton Elem. School | Hastings, NE | 09-14-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1449 |
| AIN628 | Morton Elem. School | Hastings, NE | 09-12-01 | 02-16-02 | El Rosario, MICH, MX | Bernardo Garcia | 1449 |
| AIN601 | Morton Elem. School | Hastings, NE | 09-12-01 | 02-13-02 | El Rosario, MICH, MX | Hugo Garcia | 1449 |
| AEE365 | Tom Bratkowski | St. Louis, MO | 10-02-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1442 |
| 612HY | Tom Bratkowski | St Louis, MO | 09-27-99 | 03-06-02 | El Rosario, MICH, MX | Jose Joaquin Posados | 1442 |
| AJF652 | Mark Barton | Gainesville, GA | 10-10-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1429 |
| AJF638 | Mark Barton | Gainesville, GA | 10-06-01 | 02-27-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1429 |
| AIP655 | Kurk Wiedel | Hebron, NE | 09-20-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1425 |
| AIP579 | Kurk Wiedel | Hebron, NE | 09-19-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia Martinez | 1425 |
| AIP504 | Kurk Wiedel | Hebron, NE | 09-18-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1425 |
| AIP508 | Kurk Wiedel | Hebron, NE | 09-18-01 | 02-26-02 | El Rosario, MICH, MX | Hernando Gonzalez | 1425 |
| AIP811 | Kurk Wiedel | Hebron, NE | 09-17-01 | 03-04-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1425 |
| AIP697 | Kurk Wiedel | Hebron, NE | 09-17-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1425 |
| AIP728 | Kurk Wiedel | Hebron, NE | 09-17-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1425 |
| AIP685 | Kurk Wiedel | Hebron, NE | 09-17-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1425 |
| AIP807 | Kurk Wiedel | Hebron, NE | 09-14-01 | 02-26-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1425 |
| AEM412 | Candy Surdez | Sabetha, KS | 09-14-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1423 |
| AEM360 | Sabetha High School | Sabetha, KS | 09-14-01 | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | 1423 |
| AEM448 | Sabetha High School | Sabetha, KS | 09-14-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1423 |
| AEM367 | Sabetha High School | Sabetha, KS | 09-14-01 | 01-20-02 | El Rosario, MICH, MX | Everando Garcia | 1423 |
| AFN878 | Tonya Stinson | Marion, IL | ? | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1423 |
| AEE178 | Tonya Stinson | Marion, IL | 09-22-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1423 |
| AEE252 | Tonya Stinson | Marion, IL | 09-17-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1423 |
| AFO189 | Tonya Stinson | Marion, IL | 09-17-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 1423 |
| AEE169 | Tonya Stinson | Marion, IL | 09-17-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1423 |
| AEE089 | Tonya Stinson | Marion, IL | 09-17-01 | 03-01-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1423 |
| AFO108 | Tonya Stinson | Marion, IL | 09-17-01 | 02-27-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1423 |
| AFO062 | Tonya Stinson | Marion, IL | 09-15-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1423 |
| AFO233 | Tonya Stinson | Marion, IL | 09-15-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1423 |
| AEE114 | Tonya Stinson | Marion, IL | 09-15-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1423 |
| AFO254 | Tonya Stinson | Marion, IL | 09-15-01 | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 1423 |
| AFN926 | Tonya Stinson | Marion, IL | 09-15-01 | 02-16-02 | El Rosario, MICH, MX | Armado Garcia | 1423 |
| AFO063 | Tonya Stinson | Marion, IL | 09-15-01 | 02-16-02 | El Rosario, MICH, MX | Armado Garcia | 1423 |
| AFN995 | Tonya Stinson | Marion, IL | 09-15-01 | 01-11-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1423 |
| AFO086 | Tonya Stinson | Marion, IL | 09-15-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1423 |
| AEM305 | David Kerns | Hiawatha, KS | 09-16-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1422 |
| AEM279 | David Kerns | Hiawatha, KS | 09-16-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1422 |
| AIP501 | Kurk Wiedel | Hebron, NE | 09-18-01 | 03-06-02 | Sierra Chincua, MICH, MX | Angela Gonzalez | 1420 |
| AIP792 | Kurk Wiedel | Hebron, NE | 09-18-01 | 03-04-02 | Sierra Chincua, MICH, MX | Benito Vidal Cruz | 1420 |
| AIP500 | Kurk Wiedel | Hebron, NE | 09-18-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1420 |
| AIP784 | Segelken's 4th Grade | Hebron, NE | 09-18-01 | 02-27-02 | Sierra Chincua, MICH, MX | Luis Martinez | 1420 |
| AHH615 | TCS's The Fifth Grade Class | Gray Summit, MO | 09-29-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1419 |

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| AHH554 | TCS's The Fifth Grade Class | Gray Summit, MO | 09-22-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1419 |
| AFN940 | Tonya Stinson | Marion, IL | 09-15-01 | 02-27-02 | Sierra Chincua, MICH, MX | Javier Martinez | 1419 |
| AEE051 | Tonya Stinson | Marion, IL | 09-10-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1419 |
| AEM303 | David Kerns | Hiawatha, KS | 09-16-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1418 |
| AEM333 | Sabetha High School | Sabetha, KS | 09-14-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 1418 |
| AEM371 | Sabetha High School | Sabetha, KS | 09-14-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1418 |
| AEM405 | Sabetha High School | Sabetha, KS | 09-14-01 | 01-30-02 | Sierra Chincua, MICH, MX | Eduardo Rendon | 1418 |
| AIP575 | Kurk Wiedel | Hubbell, NE | 09-18-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1414 |
| AEF128 | Leah Connery | Plattsburg, MO | 09-10-01 | 03-01-02 | Sierra Chincua, MICH, MX | Victor Valdez | 1413 |
| 817YN | Rene Boutin | Chambly, QUE | 09-21-01 | 10-19-01 | Bridge City, IA | Holly Orgeron | 1408 |
| AJM508 | Gene Lamb | Ft. Leavenworth, KS | 09-19-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1395 |
| AJA920 | Reba Liggett | Mankato, KS | 09-20-01 | 02-26-02 | El Rosario, MICH, MX | Christoal Garcia Dominguez | 1395 |
| AJM505 | Gene Lamb | Ft. Leavenworth, KS | 09-19-01 | 01-08-02 | Sierra Chincua, MICH, MX | Nancy Newman | 1390 |
| AEF922 | Dan Dickinson | Kansas City, MO | 09-22-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1387 |
| AEF715 | Dan Dickinson | Kansas City, MO | 09-11-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1387 |
| AEF767 | Dan Dickinson | Kansas City, MO | 09-11-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1387 |
| AEF666 | Dan Dickinson | Kansas City, MO | 09-11-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1387 |
| AIF071 | Education Department-KC ZOO | Kansas City, MO | 09-20-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1387 |
| AGQ741 | Ervin Middle School | Kansas City, MO | 09-21-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1387 |
| AIF076 | Karen Allenbrand | Kansas City, MO | 09-20-01 | 03-06-02 | El Rosario, MICH, MX | Eloy Garcia Garcia | 1387 |
| AJR078 | Terry Callender | Wamego, KS | 09-18-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1385 |
| AEF850 | Dan Dickinson | Kansas City, MO | 09-20-01 | 01-30-02 | Sierra Chincua, MICH, MX | Eduardo Rendon | 1382 |
| AEF751 | Dan Dickinson | Kansas City, MO | 09-11-01 | 03-08-02 | Sierra Chincua, MICH, MX | Geraldo Martinez Garcia | 1382 |
| AIF045 | Jean Kent | Kansas City, MO | 09-20-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1382 |
| AEF967 | Maria Stuerke | Kansas City, MO | 09-20-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1382 |
| AEJ066 | Mrs Sharp | Olathe, KS | 10-01-01 | 03-03-02 | Cerro Pelon, MICH, MX | Marco Antonio Estrada | 1382 |
| AEI610 | Mrs Sharp | Olathe, KS | 09-30-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1382 |
| AIT283 | Suzette Slocumb | Kansas City, MO | 09-22-01 | 02-27-02 | Sierra Chincua, MICH, MX | Luis Martinez | 1382 |
| AJX949 | Grossman & Barth | Lawrence, KS | 09-15-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1381 |
| AEG668 | Smith & B990 Rucker | Lawrence, KS | 09-18-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1381 |
| AJH902 | Stone Nature Center | Topeka, KS | 09-18-01 | 03-03-02 | Cerro Pelon, MICH, MX | Marco Antonio Estrada | 1381 |
| AEH739 | West Jr. High | Lawrence, KS | 09-15-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Morena | 1381 |
| AEM643 | Williams Elem. | Topeka, KS | 09-17-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1381 |
| AGE270 | Pat Wakeman | Tonganoxie, KS | 09-22-01 | 02-16-02 | El Rosario, MICH, MX | Bernardo Garcia | 1378 |
| AIE930 | Mrs. Gillespie's Class | Lee's Summit, MO | 09-12-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 1376 |
| AIE926 | Mrs. Gillespie's Class | Lee's Summit, MO | 09-10-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1376 |
| PW898 | Pamela Pollard | Lee's Summit, MO | 09-26-97 | 01-06-02 | El Rosario, MICH, MX | Domingo Gonzalez | 1376 |
| AIQ828 | Ben & Jane La Gue | Lenexa, KS | 09-16-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1373 |
| AIQ845 | Ben & Jane La Gue | Lenexa, KS | 09-16-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1373 |
| AEF781 | Dan Dickinson | Lenexa, KS | 09-19-01 | 03-09-02 | El Rosario, MICH, MX | Everardo Garcia | 1373 |
| AEF809 | Dan Dickinson | Lenexa, KS | 09-19-01 | 03-08-02 | El Rosario, MICH, MX | Gerardo Garcia Martinez | 1373 |
| ADU581 | Dexter Sharp | Overland Park, KS | 09-22-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1371 |
| ADU585 | Dexter Sharp | Overland Park, KS | 09-22-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1371 |
| AEG500 | Donna Bodine | De Soto, KS | 09-13-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1371 |
| AIW152 | Jacalyn Goetz | Overland Park, KS | 09-13-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1371 |
| AIM147 | Laura Elcock | Leawood, KS | 09-15-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1371 |
| AJR035 | Dustin Hatfield | Wamego, KS | 09-18-01 | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1370 |
| AJR454 | Kelsey Kabriel | Wamego, KS | 09-20-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1370 |
| AJR234 | Mandy Christie | Wamego, KS | 09-19-01 | 01-20-02 | El Rosario, MICH, MX | Everardo Garcia | 1370 |
| AJR336 | Nicole Clevenger | Wamego, KS | 09-19-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1370 |
| AJR395 | Terry Callender | Wamego, KS | 09-19-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1370 |
| AJR446 | Terry Callender | Wamego, KS | 09-19-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1370 |
| AJR124 | Terry Callender | Wamego, KS | 09-18-01 | 03-09-02 | El Rosario, MICH, MX | Viviana Cruz Rivas | 1370 |
| AJR179 | Terry Callender | Wamego, KS | 09-18-01 | 01-11-02 | El Rosario, MICH, MX | Amado Garcia Garcia | 1370 |
| AJR155 | Terry Callender | Wamego, KS | 09-18-01 | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1370 |
| 621YG | Terry Callender | Wamego, KS | 09-12-01 | ? | El Rosario, MICH, MX | Cathy Wertz | 1370 |
| TR403 | Terry Callender | Wamego, KS | 08-24-97 | 01-06-02 | El Rosario, MICH, MX | Alberto Gonzalez Garcia | 1370 |
| AJR163 | Wamego High School | Wamego, KS | 09-18-01 | 02-21-02 | El Rosario, MICH, MX | Herman Medina | 1370 |
| AEJ132 | Allison Palermo | Olathe, KS | 09-17-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1367 |
| AEJ405 | Ashley Campbell | Olathe, KS | 09-20-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1367 |
| AGR911 | Blue Valley High School | Olathe, KS | 09-16-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1367 |
| AEI682 | Brandon Lee | Olathe, KS | 09-18-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 1367 |
| AEI678 | Brandon Lee | Olathe, KS | 09-13-01 | 01-06-02 | El Rosario, MICH, MX | Fortino Guzmán | 1367 |
| AEI137 | Cameron Simpson | Olathe, KS | 09-17-01 | 02-28-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1367 |

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|---------|----------------------|--------------------|-----------------------|----------|----------------------|--|-------|
| AEJ261 | Chase McAnuity | Olathe, KS | 09-18-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1367 |
| AEJ271 | Chris Connor | Olathe, KS | 09-18-01 | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 1367 |
| AEI395 | Darren Voiles | Olathe, KS | 09-20-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1367 |
| AEI223 | Jaimie Jones | Olathe, KS | 09-18-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1367 |
| AEI215 | Jaimie Jones | Olathe, KS | 09-18-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1367 |
| AEJ359 | Laura Houston | Olathe, KS | 09-18-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1367 |
| AEJ740 | Lisa Erickson | Olathe, KS | 09-22-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1367 |
| AEJ696 | Lisa Erickson | Olathe, KS | 09-19-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1367 |
| AEJ692 | Lisa Erickson | Olathe, KS | 09-19-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1367 |
| AEJ688 | Lisa Erickson | Olathe, KS | 09-16-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1367 |
| AEJ309 | Matt Kulik | Olathe, KS | 09-17-01 | 03-04-02 | El Rosario, MICH, MX | Jose Luis Garcia | 1367 |
| AEK709 | Matthew Anderson | Olathe, KS | 09-24-01 | 01-31-02 | El Rosario, MICH, MX | Eduardo Rendon | 1367 |
| AEJ295 | Megan Heam | Olathe, KS | 09-18-01 | 02-27-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1367 |
| AEJ225 | Megan Marks | Olathe, KS | 09-18-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1367 |
| AEK280 | Michelle Kalen | Olathe, KS | 09-24-01 | 03-12-02 | El Rosario, MICH, MX | Leonardo Garcia Martinez | 1367 |
| AEI977 | Mrs Sharp | Olathe, KS | 10-02-01 | 03-06-02 | El Rosario, MICH, MX | Eloy Garcia Garcia | 1367 |
| AEI387 | Mrs Sharp | Olathe, KS | 09-20-01 | 03-12-02 | El Rosario, MICH, MX | Maria Guadalupe Cruz | 1367 |
| AEI322 | Mrs Sharp | Olathe, KS | 09-18-01 | 03-09-02 | El Rosario, MICH, MX | Lurdes Garcia Gonzalez | 1367 |
| AEI313 | Mrs Sharp | Olathe, KS | 09-18-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1367 |
| AEI328 | Mrs. Sharp/ VanDever | Olathe, KS | 09-18-01 | 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 1367 |
| AGR374 | Olathe North HS | Olathe, KS | 09-28-01 | 03-04-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1367 |
| AGR292 | Olathe North HS | Olathe, KS | 09-23-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1367 |
| AGR335 | Olathe North HS | Olathe, KS | 09-20-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1367 |
| AEI155 | Patrick Simpson | Olathe, KS | 09-18-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 1367 |
| AEI684 | Paula Donham | Olathe, KS | 09-13-01 | 01-11-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1367 |
| AGR301 | Randy Dix | Olathe, KS | 09-14-01 | 01-11-02 | El Rosario, MICH, MX | Gloria Garcia Garcia | 1367 |
| AIL141 | Regency Place Elem. | Olathe, KS | 09-26-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1367 |
| AEI100 | Sarah England | Olathe, KS | 09-17-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1367 |
| AEI264 | Scott Schwaller | Olathe, KS | 09-18-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1367 |
| AEJ148 | Shane Davis | Olathe, KS | 09-18-01 | 03-04-02 | El Rosario, MICH, MX | Rogelio Garcia | 1367 |
| AEJ096 | Sharp | Olathe, KS | 10-01-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1367 |
| AEI826 | Sharp | Olathe, KS | 10-01-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1367 |
| AEI689 | Sharp | Olathe, KS | 10-01-01 | 01-20-02 | El Rosario, MICH, MX | Everando Garcia | 1367 |
| AEI594 | Sharp | Olathe, KS | 09-17-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1367 |
| AEI390 | Sharp and Brooke | Olathe, KS | 09-20-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1367 |
| AEI365 | Sharp and Brooke | Olathe, KS | 09-19-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1367 |
| AEK978 | Alex Beteet | Lawrence, KS | 09-25-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1366 |
| AJY449 | Alison Palermo | Lawrence, KS | 09-15-01 | 01-06-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1366 |
| AJZ525 | Anna Gille | Lawrence, KS | 09-15-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1366 |
| AJX627 | Anonymous | Lawrence, KS | 09-15-01 | 03-04-02 | El Rosario, MICH, MX | Rogelio Garcia | 1366 |
| AJX571 | Barbara Watkins | Lawrence, KS | 09-15-01 | 01-06-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1366 |
| AGQ969 | Calvin Cink | Lawrence, KS | 09-20-01 | 03-09-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1366 |
| AGQ971 | Calvin Cink | Lawrence, KS | 09-20-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1366 |
| AGR004 | Calvin Cink | Lawrence, KS | 09-20-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1366 |
| AGQ955 | Calvin Cink | Lawrence, KS | 09-20-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1366 |
| AJZ601 | Carol & Clyde Rousey | Lawrence, KS | 09-15-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1366 |
| AJX547 | Casey Ballard | Lawrence, KS | 09-15-01 | 02-28-02 | El Rosario, MICH, MX | Miguel Angel Martinez Garcia | 1366 |
| AJY691 | Chip Taylor | Lawrence, KS | 09-15-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo medina | 1366 |
| AJY979 | Chip Taylor | Lawrence, KS | 09-15-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1366 |
| AJY689 | Chip Taylor | Lawrence, KS | 09-15-01 | 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 1366 |
| AJX758 | Chip Taylor | Lawrence, KS | 09-15-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1366 |
| AJY933 | Chip Taylor | Lawrence, KS | 09-15-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1366 |
| AJY080 | Chip Taylor | Lawrence, KS | 09-15-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1366 |
| AJZ178 | Chip Taylor | Lawrence, KS | 09-15-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1366 |
| AJY638 | Chip Taylor | Lawrence, KS | 09-15-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1366 |
| AJZ581 | Chip Taylor | Lawrence, KS | 09-15-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1366 |
| AJY063 | Chuck Herman | Lawrence, KS | 09-15-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1366 |
| 585XA | Colleen Lignell | Lawrence, KS | 09-15-01 | 02-28-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1366 |
| AJY806 | Dana Wilson | Lawrence, KS | 09-15-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1366 |
| AJX790 | Dayle Roussel | Lawrence, KS | 09-15-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1366 |
| AIM489 | Grossman & Barth | Lawrence, KS | 09-15-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1366 |
| AJY677 | Heather York | Lawrence, KS | 09-15-01 | 02-27-02 | El Rosario, MICH, MX | Emerido Garcia | 1366 |
| AGO653 | Jennifer Kissinger | ? | ? | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1366 |
| AGO652 | Jennifer Kissinger | ? | ? | 02-15-02 | El Rosario, MICH, MX | Helen Guilbert and Sr. Diego Castro Ruiz | 1366 |

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|---------|--------------------------------|-----------------------|-------------------------------|--|-------|
| AJZ499 | Jessie Knight, Regina Werthman | Lawrence, KS 09-15-01 | 03-09-02 El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1366 |
| AJZ493 | Jessie Knight, Regina Werthman | Lawrence, KS 09-15-01 | 02-26-02 El Rosario, MICH, MX | Enrique Martinez | 1366 |
| AJY497 | John Thornburg | Lawrence, KS 09-15-01 | 01-21-02 El Rosario, MICH, MX | Bernardo Garcia | 1366 |
| AIF187 | Karen De Victor | Lawrence, KS 09-09-01 | 01-11-02 El Rosario, MICH, MX | Fernando de Jesus Gonzales | 1366 |
| AJZ405 | Ken Kreissler | Lawrence, KS 09-15-01 | 01-06-02 El Rosario, MICH, MX | Ruben Gonzalez | 1366 |
| AJX983 | Kevin Alexander | Lawrence, KS 09-15-01 | 02-21-02 El Rosario, MICH, MX | Antonio Garcia Garcia | 1366 |
| AJY615 | Lucy White | Lawrence, KS 09-15-01 | 01-21-02 El Rosario, MICH, MX | Armado Garcia | 1366 |
| AJY020 | Mary Clippinger | Lawrence, KS 09-15-01 | 02-21-02 El Rosario, MICH, MX | Nancy Greig | 1366 |
| AJZ901 | Michael Montir | Lawrence, KS 09-15-01 | 01-18-02 El Rosario, MICH, MX | Carlos Garcia | 1366 |
| AJY485 | Monica Papes | Lawrence, KS 09-15-01 | 03-08-02 El Rosario, MICH, MX | Gerardo Garcia Martinez | 1366 |
| AJY685 | Monica Papes | Lawrence, KS 09-15-01 | 03-04-02 El Rosario, MICH, MX | Javier Garcia Dominguez | 1366 |
| AJZ046 | Olathe East High School | Lawrence, KS 09-15-01 | 03-13-02 El Rosario, MICH, MX | Armando Garcia Garcia | 1366 |
| AJY213 | Olathe East High School | Lawrence, KS 09-15-01 | 03-09-02 El Rosario, MICH, MX | Mariana Garcia Martinez | 1366 |
| AJZ030 | Olathe East High School | Lawrence, KS 09-15-01 | 02-26-02 El Rosario, MICH, MX | Javier Garcia Dominguez | 1366 |
| AJY135 | Olathe East High School | Lawrence, KS 09-15-01 | 01-20-02 El Rosario, MICH, MX | Simon Garcia | 1366 |
| AJX686 | Patty Greeve Patti-Rocky | Lawrence, KS 09-15-01 | 03-08-02 El Rosario, MICH, MX | Mariana Garcia Martinez | 1366 |
| AJZ630 | Pennie Von Achen | Lawrence, KS 09-15-01 | 03-04-02 El Rosario, MICH, MX | Javier Garcia Dominguez | 1366 |
| AJY762 | Perry Kennard | Lawrence, KS 09-15-01 | 03-04-02 El Rosario, MICH, MX | Javier Garcia Dominguez | 1366 |
| AJY731 | Perry Kennard | Lawrence, KS 09-15-01 | 02-27-02 El Rosario, MICH, MX | Emerido Garcia | 1366 |
| AJY763 | Perry Kennard | Lawrence, KS 09-15-01 | 02-26-02 El Rosario, MICH, MX | Enrique Martinez | 1366 |
| AJZ511 | Perry Kennard | Lawrence, KS 09-15-01 | 02-26-02 El Rosario, MICH, MX | Enrique Martinez | 1366 |
| AJZ504 | Perry Kennard | Lawrence, KS 09-15-01 | 02-21-02 El Rosario, MICH, MX | Hugo Garcia | 1366 |
| AJY534 | Sean Mc Henry | Lawrence, KS 09-15-01 | 02-15-02 El Rosario, MICH, MX | Helen Guilbert & Sr. Diego Castro Ruiz | 1366 |
| AJY156 | Sean Mc Henry | Lawrence, KS 09-15-01 | 01-20-02 El Rosario, MICH, MX | Simon Garcia | 1366 |
| AEI915 | Sharp | Lawrence, KS 09-15-01 | 01-21-02 El Rosario, MICH, MX | Armado Garcia | 1366 |
| AEI921 | Sharp | Lawrence, KS 09-15-01 | 01-20-02 El Rosario, MICH, MX | Simon Garcia | 1366 |
| AEG957 | Smith & Rucker | Lawrence, KS 09-22-01 | 02-26-02 El Rosario, MICH, MX | Antonio Garcia Garcia | 1366 |
| AEG955 | Smith & Rucker | Lawrence, KS 09-22-01 | 02-13-02 El Rosario, MICH, MX | Romero Garcia Martinez | 1366 |
| AEG910 | Smith & Rucker | Lawrence, KS 09-21-01 | 03-13-02 El Rosario, MICH, MX | Armando Garcia Garcia | 1366 |
| AEG948 | Smith & Rucker | Lawrence, KS 09-21-01 | 03-01-02 El Rosario, MICH, MX | Daniel Garcia Garcia | 1366 |
| AEH135 | Smith & Rucker | Lawrence, KS 09-20-01 | 03-04-02 El Rosario, MICH, MX | Javier Garcia Dominguez | 1366 |
| AEH144 | Smith & Rucker | Lawrence, KS 09-20-01 | 02-26-02 El Rosario, MICH, MX | Daniel Garcia Garcia | 1366 |
| AEH006 | Smith & Rucker | Lawrence, KS 09-20-01 | 02-13-02 El Rosario, MICH, MX | Mariana Garcia | 1366 |
| AEH154 | Smith & Rucker | Lawrence, KS 09-20-01 | 02-11-02 El Rosario, MICH, MX | Diego Castro Raiz | 1366 |
| AEG780 | Smith & Rucker | Lawrence, KS 09-19-01 | 03-09-02 El Rosario, MICH, MX | Simon Garcia Garcia | 1366 |
| AEG794 | Smith & Rucker | Lawrence, KS 09-19-01 | 02-26-02 El Rosario, MICH, MX | Daniel Garcia Garcia | 1366 |
| AEG710 | Smith & Rucker | Lawrence, KS 09-19-01 | 02-21-02 El Rosario, MICH, MX | Antonio Garcia Garcia | 1366 |
| AEG862 | Smith & Rucker | Lawrence, KS 09-19-01 | 01-20-02 El Rosario, MICH, MX | Everardo Garcia | 1366 |
| AJZ826 | Steve, Ryan, Sean, Djuan | Lawrence, KS 09-15-01 | 02-26-02 El Rosario, MICH, MX | Roberta Garcia | 1366 |
| AJY548 | Steve, Sean, Djuan, Ryan | Lawrence, KS 09-15-01 | 03-12-02 El Rosario, MICH, MX | Jorge Medina | 1366 |
| AJH784 | Stone Nature Center | Topeka, KS 09-20-01 | 03-12-02 El Rosario, MICH, MX | Simon Garcia Garcia | 1366 |
| AJH790 | Stone Nature Center | Topeka, KS 09-20-01 | 02-26-02 El Rosario, MICH, MX | Enrique Martinez | 1366 |
| AJH751 | Stone Nature Center | Topeka, KS 09-18-01 | 03-13-02 El Rosario, MICH, MX | Armando Garcia Garcia | 1366 |
| AJH746 | Stone Nature Center | Topeka, KS 09-18-01 | 03-13-02 El Rosario, MICH, MX | Armando Garcia Garcia | 1366 |
| AJH910 | Stone Nature Center | Topeka, KS 09-18-01 | 02-26-02 El Rosario, MICH, MX | Antonio Garcia Garcia | 1366 |
| AJH909 | Stone Nature Center | Topeka, KS 09-18-01 | 01-20-02 El Rosario, MICH, MX | Simon Garcia | 1366 |
| AJH854 | Stone Nature Center | Topeka, KS 09-16-01 | 03-04-02 El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1366 |
| AJH877 | Stone Nature Center | Topeka, KS 09-16-01 | 02-27-02 El Rosario, MICH, MX | Emerido Garcia | 1366 |
| AJH888 | Stone Nature Center | Topeka, KS 09-16-01 | 02-26-02 El Rosario, MICH, MX | Daniel Garcia Garcia | 1366 |
| AJZ463 | Werthmann & Knight | Lawrence, KS 09-15-01 | 03-04-02 El Rosario, MICH, MX | Simon Garcia Garcia | 1366 |
| AJZ462 | Werthmann & Knight | Lawrence, KS 09-15-01 | 03-01-02 El Rosario, MICH, MX | Carlos Luis Garcia Martinez | 1366 |
| AJZ464 | Werthmann & Knight | Lawrence, KS 09-15-01 | 01-07-02 El Rosario, MICH, MX | Nancy Newman | 1366 |
| AEH566 | West Jr. High | Lawrence, KS 09-15-01 | 03-13-02 El Rosario, MICH, MX | Armando Garcia Garcia | 1366 |
| AEH950 | West Jr. High | Lawrence, KS 09-15-01 | 03-09-02 El Rosario, MICH, MX | Mariana Garcia Martinez | 1366 |
| AEH607 | West Jr. High | Lawrence, KS 09-15-01 | 03-08-02 El Rosario, MICH, MX | Roberto Garcia | 1366 |
| AEH675 | West Jr. High | Lawrence, KS 09-15-01 | 03-04-02 El Rosario, MICH, MX | Javier Garcia Dominguez | 1366 |
| AEH882 | West Jr. High | Lawrence, KS 09-15-01 | 02-27-02 El Rosario, MICH, MX | Eduardo Garcia Garcia | 1366 |
| AEH873 | West Jr. High | Lawrence, KS 09-15-01 | 02-26-02 El Rosario, MICH, MX | Enrique Martinez | 1366 |
| AEH768 | West Jr. High | Lawrence, KS 09-15-01 | 02-26-02 El Rosario, MICH, MX | Enrique Martinez | 1366 |
| AEH527 | West Jr. High | Lawrence, KS 09-15-01 | 02-26-02 El Rosario, MICH, MX | Enrique Martinez | 1366 |
| AEI019 | West Jr. High | Lawrence, KS 09-15-01 | 02-26-02 El Rosario, MICH, MX | Hermando Gonzalez | 1366 |
| AEH612 | West Jr. High | Lawrence, KS 09-15-01 | 02-20-02 El Rosario, MICH, MX | Diego Castro Raiz | 1366 |
| AEH908 | West Jr. High | Lawrence, KS 09-15-01 | 02-16-02 El Rosario, MICH, MX | Bernardo Garcia | 1366 |
| AEI061 | West Jr. High | Lawrence, KS 09-15-01 | 02-11-02 El Rosario, MICH, MX | Diego Castro Raiz | 1366 |

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| AEH707 | West Jr. High | Lawrence, KS | 09-15-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1366 |
| AEI026 | West Jr. High | Lawrence, KS | 09-15-01 | 01-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1366 |
| AEH638 | West Jr. High | Lawrence, KS | 09-15-01 | 01-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1366 |
| AEH770 | West Jr. High | Lawrence, KS | 09-15-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1366 |
| AEM750 | Williams Elem. | Topeka, KS | 09-19-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1366 |
| AEM745 | Williams Elem. | Topeka, KS | 09-18-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1366 |
| AEM729 | Williams Elem. | Topeka, KS | 09-18-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1366 |
| AEM705 | Williams Elem. | Topeka, KS | 09-18-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1366 |
| AEM725 | Williams Elem. | Topeka, KS | 09-18-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1366 |
| AEM647 | Williams Elem. | Topeka, KS | 09-17-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1366 |
| AEM663 | Williams Elem. | Topeka, KS | 09-17-01 | 01-18-02 | El Rosario, MICH, MX | Carlos Garcia | 1366 |
| AEM632 | Williams Elem. | Topeka, KS | 09-13-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1366 |
| AJR011 | Dustin Hatfield | Wamego, KS | 09-18-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 1365 |
| AJR083 | Mandy Christie | Wamego, KS | 09-18-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1365 |
| AJR355 | Nicole Clevenger | Wamego, KS | 09-16-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1365 |
| AEJ291 | Calvin Wang | Olathe, KS | 09-18-01 | 02-26-02 | Sierra Chincua, MICH, MX | Abel Valdez Martinez | 1363 |
| AEJ546 | Chas Shutte | Olathe, KS | 09-18-01 | 03-01-02 | Sierra Chincua, MICH, MX | Victor Valdez | 1363 |
| AEI583 | Mrs Sharp | Olathe, KS | 09-17-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1363 |
| AEI432 | Mrs. Sharp | Olathe, KS | 09-24-01 | 03-19-02 | Sierra Chincua, MICH, MX | Salvador Camacho Rivera | 1363 |
| AGR352 | Olathe North High School | Olathe, KS | 09-20-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1363 |
| AEJ124 | Sharp | Olathe, KS | 09-15-01 | 01-25-02 | Sierra Chincua, MICH, MX | Javier Garcia Dominguez | 1363 |
| AEI271 | Sharp and VanDever | Olathe, KS | 09-18-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1363 |
| AJX800 | Anonymous | Lawrence, KS | 09-15-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1362 |
| AJZ606 | Deanna & Soon | Lawrence, KS | 09-15-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1362 |
| AEL941 | Dee Wilson | Stilwell, KS | 09-20-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1362 |
| AJX534 | Evan Elzea | Lawrence, KS | 09-15-01 | 03-06-02 | Sierra Chincua, MICH, MX | Alphonzo Garcia | 1362 |
| AJZ899 | Jason & Erin Botz | Lawrence, KS | 09-15-01 | 02-27-02 | Sierra Chincua, MICH, MX | Miguel Angel Gonzalez | 1362 |
| AJW535 | Jed Borovik | Lawrence, KS | 09-22-01 | 03-19-02 | Sierra Chincua, MICH, MX | Dave Kust | 1362 |
| AJY386 | Jen Fetter | Lawrence, KS | 09-15-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1362 |
| AJZ494 | Jessie Knight, Regina Werthman | Lawrence, KS | 09-15-01 | 03-08-02 | Sierra Chincua, MICH, MX | Juventino Martinez | 1362 |
| AGR934 | Mc Donald & B1250 Hare | Stilwell, KS | 09-22-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1362 |
| AJX560 | Michael Mantir | Lawrence, KS | 09-15-01 | 03-04-02 | Sierra Chincua, MICH, MX | Remedios de Jesus Martinez | 1362 |
| AJZ035 | Olathe East High School | Lawrence, KS | 09-15-01 | 03-06-02 | Sierra Chincua, MICH, MX | Rigerberto Martinez Garcia | 1362 |
| AJY500 | Rachel Dinnin | Lawrence, KS | 09-15-01 | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez Martinez | 1362 |
| AJX702 | Tommy Johnson | Lawrence, KS | 09-15-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 1362 |
| AJZ450 | Werthmann & Knight | Lawrence, KS | 09-15-01 | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez Martinez | 1362 |
| AEI000 | West Jr. High | Lawrence, KS | 09-15-01 | 03-08-02 | Sierra Chincua, MICH, MX | Geraldo Martinez Garcia | 1362 |
| AEI030 | West Jr. High | Lawrence, KS | 09-15-01 | 03-06-02 | Sierra Chincua, MICH, MX | Luis Martinez | 1362 |
| AEH893 | West Jr. High | Lawrence, KS | 09-15-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 1362 |
| AEI065 | West Jr. High | Lawrence, KS | 09-15-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1362 |
| AEH588 | West Jr. High | Lawrence, KS | 09-15-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1362 |
| AJH819 | Stone Nature Center | Topeka, KS | 09-21-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1361 |
| AJH747 | Stone Nature Center | Topeka, KS | 09-18-01 | 03-06-02 | Sierra Chincua, MICH, MX | Angela Gonzalez | 1361 |
| AEM637 | Williams Elem. | Topeka, KS | 09-17-01 | 03-06-02 | Sierra Chincua, MICH, MX | Rigerberto Martinez Garcia | 1361 |
| AEL938 | Dee Wilson | Stilwell, KS | 09-20-01 | 01-30-02 | Sierra Chincua, MICH, MX | Valentine Rendon | 1357 |
| AEL595 | Todd Mildfelt | Richmond, KS | 09-21-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1344 |
| AEL571 | Todd Mildfelt | Richmond, KS | 09-21-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 1344 |
| AEL534 | Todd Mildfelt | Richmond, KS | 09-20-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1344 |
| AEL512 | Todd Mildfelt | Richmond, KS | 09-19-01 | 02-18-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1344 |
| AEL522 | Todd Mildfelt | Richmond, KS | 09-19-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 1344 |
| AEL483 | Todd Mildfelt | Richmond, KS | 09-17-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1344 |
| AEL473 | Todd Mildfelt | Richmond, KS | 09-17-01 | 02-27-02 | El Rosario, MICH, MX | Emerido Garcia | 1344 |
| AEL420 | Todd Mildfelt | Richmond, KS | 09-16-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1344 |
| AEL442 | Todd Mildfelt | Richmond, KS | 09-16-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1344 |
| AEL412 | Todd Mildfelt | Richmond, KS | 09-16-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1344 |
| AEL389 | Todd Mildfelt | Richmond, KS | 09-12-01 | 02-27-02 | Sierra Chincua, MICH, MX | Javier Martinez | 1339 |
| AIF541 | Allen Family | Lebo, KS | 09-22-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1337 |
| 838MP | Anna Sielert & Kristin Garcia | Lebo, KS | 09-18-99 | 03-03-02 | Cerro Pelon, MICH, MX | Marco Antonio Estrada | 1337 |
| AIF686 | CJ Foster | Melvorn, KS | 09-22-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 1331 |
| AIF500 | Harrell, Wang & Morales | Melvorn, KS | 09-21-01 | 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 1331 |
| AEM823 | Patty Delmott | Melvorn Lake, KS | 09-22-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1331 |
| AIF593 | Sarah Pearson | Melvorn, KS | 09-21-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1331 |
| AIF596 | Sarah Pearson | Melvorn, KS | 09-21-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1331 |
| AIF595 | Sarah Pearson | Melvorn, KS | 09-21-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1331 |

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|---------|-----------------------------------|--------------------|-----------------------|----------|--------------------------|----------------------------------|-------|
| AHT882 | Jake Shearer | Hays, KS | 09-19-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1328 |
| AHT652 | Paul Arias | Hays, KS | 09-17-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1328 |
| AIF606 | Chelsea, Chris, and Sandy Crofoot | Melvorn Lake, KS | 09-22-01 | 03-06-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1326 |
| AIF621 | Steve Redeker | Melvorn, KS | 09-21-01 | 01-22-02 | Sierra Chincua, MICH, MX | Jordi Honey-Roses | 1326 |
| 440YJ | Reading Elem. 7th Graders | Reading , KS | 09-21-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1323 |
| AIF602 | Chelsea, Chris, & Sandy Crofoot | Melvorn Lake, KS | 09-22-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1322 |
| AJT229 | Colleen Mitchell's Class | Emporia, KS | 09-20-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 1318 |
| AJM760 | Dennis Dewell | Emporia, KS | 09-22-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1318 |
| AGS553 | Loretta Snelling | Marion, KS | 09-21-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1305 |
| AGS512 | Loretta Snelling | Marion, KS | 09-19-01 | 03-04-02 | El Rosario, MICH, MX | Jose Luis Garcia | 1305 |
| AGS531 | Loretta Snelling | Marion, KS | 09-19-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1305 |
| 274XF | Loretta Snelling | Marion, KS | 09-13-00 | 01-07-02 | El Rosario, MICH, MX | Nancy Newman | 1305 |
| AEO840 | Karen Fulk | Hesston, KS | 09-23-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1303 |
| AEO815 | Karen Fulk | Hesston, KS | 09-23-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1303 |
| AEO739 | Karen Fulk | Hesston, KS | 09-19-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1303 |
| AGS500 | Loretta Snelling | Marion, KS | 09-19-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1301 |
| AEQ025 | The Randy Case Family | McPherson, KS | 09-21-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1301 |
| AEP972 | The Randy Case Family | Mc Pherson, KS | 09-18-01 | 02-26-02 | El Rosario, MICH, MX | Roberto Garcia | 1301 |
| AEQ014 | The Randy Case Family | McPherson, KS | 09-18-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1301 |
| AEP972 | The Randy Case Family | McPherson, KS | 09-18-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1301 |
| AEQ009 | The Randy Case Family | McPherson, KS | 09-18-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1301 |
| 301SW | Karen Engle | Lamont, KS | 09-10-01 | 01-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1299 |
| 338SW | Madison Elem. | Lamont, KS | 09-20-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1299 |
| AHI081 | Margot Blake | Galva, KS | 09-26-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1298 |
| AIG107 | Taberie Hartshorn | Timken, KS | 09-24-01 | 02-27-02 | Sierra Chincua, MICH, MX | Miguel Angel Gonzalez | 1296 |
| 303SW | Madison Elem. | Lamont, KS | 09-19-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1295 |
| AEO845 | Karen Fulk | Hesston, KS | 09-23-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1287 |
| AEO767 | Karen Fulk | Hesston, KS | 09-21-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1287 |
| AEO760 | Karen Fulk | Hesston, KS | 09-21-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1287 |
| AEO737 | Karen Fulk | Hesston, KS | 09-19-01 | 02-27-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1287 |
| AEO734 | Karen Fulk | Hesston, KS | 09-19-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1287 |
| AEQ579 | Pam Martin | St. John, KS | 09-15-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1285 |
| AEP006 | Lou Didier | Newton, KS | 09-12-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1282 |
| AEO988 | Lou Didier | Newton, KS | 09-12-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1282 |
| 966IH | Joe Klinkin | Arma, KS | 09-28-01 | 11-03-01 | El Rosario, MICH, MX | Dave Kust | 1280 |
| AEQ145 | Betty Taylor | Hutchinson, KS | 09-26-01 | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1279 |
| AEQ128 | Betty Taylor | Hutchinson, KS | 09-21-01 | 03-06-02 | El Rosario, MICH, MX | Jose Joaquin Posados | 1279 |
| AGS630 | El Dorado Boosters 4-H | El Dorado, KS | 09-22-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1271 |
| AGS581 | El Dorado Boosters 4-H | El Dorado, KS | 09-22-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1271 |
| AGS611 | El Dorado Boosters 4-H | El Dorado, KS | 09-22-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1271 |
| SE255 | Ron Turner | Andover, KS | 08-21-97 | 01-11-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1259 |
| AHD840 | Great Plains Nature Center | Wichita, KS | ? | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1257 |
| AHD868 | Great Plains Nature Center | Wichita, KS | 09-22-01 | 02-27-02 | El Rosario, MICH, MX | Alejandro Garcia | 1257 |
| AHK206 | Great Plains Nature Center | Wichita, KS | 09-22-01 | 01-22-02 | El Rosario, MICH, MX | Herman Medina | 1257 |
| PR537 | Nancy Mangeri | Wichita, KS | 09-13-97 | 01-11-02 | El Rosario, MICH, MX | Maria del Carmen Perfecto Garcia | 1257 |
| AEP691 | Roy Beckemeyer | Wichita, KS | 09-22-01 | 02-26-02 | El Rosario, MICH, MX | Hernando Gonzalez | 1257 |
| AEP684 | Roy Beckemeyer | Wichita, KS | 09-22-01 | 02-18-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1257 |
| AHT142 | S Van Doren | Wichita, KS | 10-03-01 | 02-16-02 | El Rosario, MICH, MX | Bernardo Garcia | 1257 |
| AHT135 | S Van Doren | Wichita, KS | 09-26-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 1257 |
| AHT115 | S Van Doren | Wichita, KS | 09-12-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1257 |
| AHT148 | S Van Doren | Wichita, KS | 10-03-01 | 01-30-02 | Sierra Chincua, MICH, MX | Valentine Rendon | 1253 |
| ABP880 | Hillary Deal | St. Marks, FL | 10-20-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1242 |
| ABQ071 | Rachael Vistein | St Marks, FL | 10-27-01 | 01-22-02 | Sierra Chincua, MICH, MX | Jordi Honey-Roses | 1239 |
| AIO981 | Lincoln Elem. | Dearing, KS | 09-15-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1233 |
| 874MY | Lincoln Mem. Elem School | Dearing, KS | 09-28-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1233 |
| AJU827 | Ashley Inslee | Harper, KS | 10-05-01 | 02-26-02 | El Rosario, MICH, MX | Ecedro Gonzalez Pina | 1224 |
| AJU826 | Ashley Inslee | Anthony, KS | 10-03-01 | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1215 |
| AJW333 | Erica Cloud | Anthony, KS | 10-05-01 | 03-11-02 | El Rosario, MICH, MX | Elizabeth Janota | 1215 |
| AJU938 | Erica Cloud | Anthony, KS | 10-05-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1215 |
| AJW004 | Zach Bauer | Anthony, KS | 10-05-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1215 |
| AIU337 | Robin and Thomas Flowers | Meade, KS | 09-21-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 1212 |
| BR165 | Rafe Begley | Hugoton, KS | 09-25-98 | 01-06-02 | El Rosario, MICH, MX | Alejandro Gronados | 1211 |
| AHI785 | Simons & Spencer | Paris, AR | 09-29-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 1151 |
| AHI784 | Simons & B1406 Spencer | Paris, AR | 09-29-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1151 |

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|---------|--------------------------------|--------------------|-----------------------|----------|-----------------------|---------------------------|-------|
| 318KC | Carol Bricker | Ft. Smith, AR | 09-22-99 | ? | El Rosario, MICH, MX | Cathy Wertz | 1143 |
| AJN090 | Ft. Smith Elem. Gifted Program | Ft. Smith, AR | 09-27-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1143 |
| AEY982 | David Walker | Oklahoma City, OK | 10-02-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1120 |
| AEZ034 | David Walker | Oklahoma City, OK | 10-02-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1120 |
| AEY930 | David Walker | Oklahoma City, OK | 10-01-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 1120 |
| AEZ731 | Joshua Southerland | Oklahoma City, OK | 10-02-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1120 |
| AHL674 | N Scott | Oklahoma City, OK | 10-04-01 | 03-03-02 | Cerro Pelon, MICH, MX | Marco Antonio Estrada | 1120 |
| AHN027 | N Scott | Oklahoma City, OK | 09-27-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1120 |
| AHL360 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1110 |
| 467TF | Bradley Southerland | Oklahoma City, OK | 09-23-00 | 01-06-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1105 |
| AEY988 | David Walker | Oklahoma City, OK | 10-02-01 | 03-01-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1105 |
| AEY802 | David Walker | Oklahoma City, OK | 10-01-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1105 |
| AEY880 | David Walker | Oklahoma City, OK | 10-01-01 | 02-16-02 | El Rosario, MICH, MX | Armado Garcia | 1105 |
| AEY857 | David Walker | Oklahoma City, OK | 10-01-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1105 |
| AEY849 | David Walker | Oklahoma City, OK | 10-01-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 1105 |
| AEY649 | David Walker | Oklahoma City, OK | 09-27-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1105 |
| AEY648 | David Walker | Oklahoma City, OK | 09-27-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 1105 |
| AEY644 | David Walker | Oklahoma City, OK | 09-27-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1105 |
| AEY709 | David Walker | Oklahoma City, OK | 09-27-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1105 |
| AEY701 | David Walker | Oklahoma City, OK | 09-27-01 | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 1105 |
| AEY711 | David Walker | Oklahoma City, OK | 09-27-01 | 02-13-02 | El Rosario, MICH, MX | Hugo Garcia | 1105 |
| AEY614 | David Walker | Oklahoma City, OK | 09-26-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 1105 |
| AEY580 | David Walker | Oklahoma City, OK | 09-25-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1105 |
| AEY491 | David Walker | Oklahoma City, OK | 09-25-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1105 |
| AEZ876 | Joshua Southerland | Oklahoma City, OK | 10-03-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1105 |
| AEZ864 | Joshua Southerland | Oklahoma City, OK | 10-03-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1105 |
| AEZ830 | Joshua Southerland | Oklahoma City, OK | 10-03-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 1105 |
| AEZ561 | Joshua Southerland | Oklahoma City, OK | 10-02-01 | 03-12-02 | El Rosario, MICH, MX | Maria Guadalupe Cruz | 1105 |
| AEZ743 | Joshua Southerland | Oklahoma City, OK | 10-02-01 | 03-04-02 | El Rosario, MICH, MX | Rogelio Garcia | 1105 |
| AEZ752 | Joshua Southerland | Oklahoma City, OK | 10-02-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1105 |
| AEZ659 | Joshua Southerland | Oklahoma City, OK | 10-02-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1105 |
| AEZ713 | Joshua Southerland | Oklahoma City, OK | 10-02-01 | 01-24-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | 1105 |
| AEZ421 | Joshua Southerland | Oklahoma City, OK | 10-01-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1105 |
| AEZ498 | Joshua Southerland | Oklahoma City, OK | 10-01-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1105 |
| AJB700 | Karen Hill | Oklahoma City, OK | 09-30-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1105 |
| AJB703 | Karen Hill | Oklahoma City, OK | 09-30-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1105 |
| AHM561 | Katherine Starrett | Oklahoma City, OK | 10-04-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1105 |
| AHM331 | Katherine Starrett | Oklahoma City, OK | 09-30-01 | 03-08-02 | El Rosario, MICH, MX | Gerardo Garcia Martinez | 1105 |
| AHM331 | Katherine Starrett | Oklahoma City, OK | 09-30-01 | 03-08-02 | El Rosario, MICH, MX | Gerardo Garcia Martinez | 1105 |
| AHM438 | Katherine Starrett | Oklahoma City, OK | 09-30-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1105 |
| AHM215 | Katherine Starrett | Oklahoma City, OK | 09-30-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 1105 |
| AHN069 | N Scott | Oklahoma City, OK | 10-02-01 | 03-04-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1105 |
| AHN098 | N Scott | Oklahoma City, OK | 10-01-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1105 |
| AHN073 | N Scott | Oklahoma City, OK | 10-01-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zucedo Medina | 1105 |
| AHM685 | N Scott | Oklahoma City, OK | 10-01-01 | 01-28-02 | El Rosario, MICH, MX | Phylliss Mattson | 1105 |
| AHN050 | N Scott | Oklahoma City, OK | 09-27-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 1105 |
| AHN026 | N Scott | Oklahoma City, OK | 09-27-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 1105 |
| AHN000 | N Scott | Oklahoma City, OK | 09-27-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1105 |
| AHO550 | N Scott | Oklahoma City, OK | 09-26-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1105 |
| AHO511 | N Scott | Oklahoma City, OK | 09-26-01 | 02-26-02 | El Rosario, MICH, MX | Salvidor Soto Posadas | 1105 |
| AHM775 | N Scott | Oklahoma City, OK | 09-26-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1105 |
| AHO519 | N Scott | Oklahoma City, OK | 09-26-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1105 |
| AHO567 | N Scott | Oklahoma City, OK | 09-26-01 | 01-11-02 | El Rosario, MICH, MX | Amado Garcia Garcia | 1105 |
| AEW731 | Pat & Walter Reif | Norman, OK | 10-03-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 1105 |
| AEW644 | Pat & Walter Reif | Norman, OK | 10-02-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 1105 |
| AHL481 | Robyn Grasmick | Oklahoma City, OK | 09-30-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1105 |
| AHL531 | Robyn Grasmick | Oklahoma City, OK | 09-30-01 | 03-01-02 | El Rosario, MICH, MX | Freddie Valencia | 1105 |
| AHL464 | Robyn Grasmick | Oklahoma City, OK | 09-30-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1105 |
| AHL526 | Robyn Grasmick | Oklahoma City, OK | 09-30-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1105 |
| AHL532 | Robyn Grasmick | Oklahoma City, OK | 09-30-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 1105 |
| AHL528 | Robyn Grasmick | Oklahoma City, OK | 09-30-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1105 |
| AHL477 | Robyn Grasmick | Oklahoma City, OK | 09-30-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 1105 |
| AHL117 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 1105 |
| AHL197 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 03-06-02 | El Rosario, MICH, MX | Jose Joaquin Posados | 1105 |

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| AHL184 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 03-06-02 | El Rosario, MICH, MX | Eloy Garcia Garcia | 1105 |
| AHL390 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 03-01-02 | El Rosario, MICH, MX | Everado Garcia Gonzalez | 1105 |
| AHL295 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 02-28-02 | El Rosario, MICH, MX | Alejandro Garcia Garcia | 1105 |
| AHL319 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1105 |
| AHL266 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1105 |
| AHL183 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1105 |
| AHL174 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 1105 |
| AFA319 | Brenda Christian | Hammon, OK | 09-29-01 | 01-11-02 | El Rosario, MICH, MX | Amado Garcia Garcia | 1104 |
| AFA622 | Hammon Elem. | Hammon, OK | 09-29-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1104 |
| AFA323 | Hammon Elem. | Hammon, OK | 09-26-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1104 |
| AFA450 | Hannah Christian | Hammon, OK | 10-04-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 1104 |
| AFA485 | Hannah Christian | Hammon, OK | 10-04-01 | 03-06-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1104 |
| AFA468 | Hannah Christian | Hammon, OK | 10-04-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1104 |
| AFA641 | Hannah Christian | Hammon, OK | 09-29-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 1104 |
| AFA244 | Hannah Christian | Hammon, OK | 09-25-01 | 02-27-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | 1104 |
| AFA201 | Hannah Christian | Hammon, OK | 09-23-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 1104 |
| AEY995 | David Walker | Oklahoma City, OK | 10-02-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1100 |
| AEY767 | David Walker | Oklahoma City, OK | 09-29-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1100 |
| AEY660 | David Walker | Oklahoma City, OK | 09-26-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1100 |
| AFA688 | Hammon Elem. | Hammon, OK | 09-26-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1100 |
| AEZ897 | Joshua Southerland | Oklahoma City, OK | 10-03-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 1100 |
| AEZ868 | Joshua Southerland | Oklahoma City, OK | 10-03-01 | 01-30-02 | Sierra Chincua, MICH, MX | Eduardo Rendon | 1100 |
| AEZ714 | Joshua Southerland | Oklahoma City, OK | 10-02-01 | 03-06-02 | Sierra Chincua, MICH, MX | Angela Gonzalez | 1100 |
| AEZ600 | Joshua Southerland | Oklahoma City, OK | 10-02-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1100 |
| AHM577 | Katherine Starrett | Oklahoma City, OK | 10-04-01 | 03-04-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1100 |
| AHM867 | N Scott | Oklahoma City, OK | 10-02-01 | 03-19-02 | Sierra Chincua, MICH, MX | Salvador Camacho Rivera | 1100 |
| AHM746 | N Scott | Oklahoma City, OK | 10-02-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 1100 |
| AHL215 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 01-30-02 | Sierra Chincua, MICH, MX | Valentine Rendon | 1100 |
| ADX077 | Dennis Thurman | Monticello, AR | ? | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 1098 |
| 139PR | Dennis Thurman | Monticello, AR | ? | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1098 |
| ADX093 | Dennis Thurman | Monticello, AR | ? | 02-18-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 1098 |
| 646PP | Jim Edson | Monticello, AR | 10-02-00 | 01-11-02 | El Rosario, MICH, MX | Ruben Gonzalez | 1098 |
| AEW470 | Alcott Middle School 6th Graders | Norman, OK | 10-01-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 1090 |
| AEW495 | Alcott Middle School 6th Graders | Norman, OK | 09-29-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1090 |
| AEY021 | Pat & Walter Reif | Norman, OK | 10-04-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia | 1090 |
| AEX999 | Pat & Walter Reif | Norman, OK | 10-04-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1090 |
| AEX897 | Pat & Walter Reif | Norman, OK | 10-04-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 1090 |
| AEX971 | Pat & Walter Reif | Norman, OK | 10-04-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 1090 |
| AEW725 | Pat & Walter Reif | Norman, OK | 10-03-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1090 |
| AEW808 | Pat & Walter Reif | Norman, OK | 10-03-01 | 01-18-02 | El Rosario, MICH, MX | Armado Garcia | 1090 |
| AEW696 | Pat & Walter Reif | Norman, OK | 10-02-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 1090 |
| AEW590 | Pat & Walter Reif | Norman, OK | 10-02-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 1090 |
| AEW699 | Pat & Walter Reif | Norman, OK | 10-02-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1090 |
| AEW526 | Pat & Walter Reif | Norman, OK | 10-01-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1090 |
| AEW532 | Pat & Walter Reif | Norman, OK | 10-01-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 1090 |
| AEW542 | Pat & Walter Reif | Norman, OK | 10-01-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | 1090 |
| 873TF | Hannah Christian | Elk City, OK | 09-16-00 | ? | El Rosario, MICH, MX | Cathy Wertz | 1088 |
| AEX875 | Pat & Walter Reif | Norman, OK | 10-04-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1085 |
| AEW617 | Pat & Walter Reif | Norman, OK | 10-04-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1085 |
| AEW921 | Pat & Walter Reif | Norman, OK | 10-04-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 1085 |
| AEY019 | Pat & Walter Reif | Norman, OK | 10-04-01 | 02-26-02 | Sierra Chincua, MICH, MX | Hernando Gonzalez | 1085 |
| AEW724 | Pat & Walter Reif | Norman, OK | 10-03-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 1085 |
| AEW873 | Pat & Walter Reif | Norman, OK | 10-03-01 | 03-01-02 | Sierra Chincua, MICH, MX | Francisco Ambrosio Martinez | 1085 |
| AEW680 | Pat & Walter Reif | Norman, OK | 10-02-01 | 03-08-02 | Sierra Chincua, MICH, MX | Geraldo Martinez Garcia | 1085 |
| AEW686 | Pat & Walter Reif | Norman, OK | 10-02-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 1085 |
| AJL101 | Sean Kelley | White Bear Lake, MN | 10-16-01 | 11-04-01 | Houston, TX | Dawn Miller | 1063 |
| AJC550 | Wings of Paradise | Cambridge, ONT | 09-15-01 | 10-09-01 | DeLand, FL | Jerry Taylor | 991 |
| 263TG | David Palmer | McKinney, TX | 10-13-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 962 |
| ABW918 | Tom Kashmer | Fremont, OH | 08-31-01 | 10-04-01 | Dallas, TX | Stephen Mc Dermott | 954 |
| AGU369 | Dale Clark | Dallas, TX | 09-29-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 948 |
| AFA895 | Karl Halder | Carrollton, TX | 09-25-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 944 |
| AFA885 | Karl Halder | Carrollton, TX | 09-25-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 944 |
| AJN474 | B. Wilhite | Addison, TX | 10-10-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 943 |
| AJN326 | B. Wilhite | Addison, TX | 10-01-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 943 |

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| AJN324 | Drew Troop | Addison, TX | 10-01-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 943 |
| AJN467 | Gillespie | Addison, TX | 10-10-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 943 |
| AJN432 | Kyle Fackler | Addison, TX | 10-03-01 | 02-14-02 | El Rosario, MICH, MX | Nev Miller | 943 |
| AJN409 | Taylor Singleton | Addison, TX | 10-02-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 943 |
| AJN547 | Corbin Bourne | Addison, TX | 10-15-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 939 |
| AJN363 | Jayce Svendsen | Addison, TX | 10-01-01 | 03-08-02 | Sierra Chincua, MICH, MX | Juventino Martinez | 939 |
| AFB188 | Lamar High School | Arlington, TX | 09-26-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Moreno | 937 |
| AGU145 | Kathryn Reinertsen | Grapevine, TX | 10-20-01 | 03-01-02 | Sierra Chincua, MICH, MX | Victor Valdez | 934 |
| AGU632 | Dale Clark | Dallas, TX | 10-21-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 933 |
| AGU608 | Dale Clark | Dallas, TX | 10-19-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 933 |
| AGU587 | Dale Clark | Dallas, TX | 10-17-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 933 |
| AGU575 | Dale Clark | Dallas, TX | 10-16-01 | 03-01-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 933 |
| AGU572 | Dale Clark | Dallas, TX | 10-15-01 | 02-27-02 | El Rosario, MICH, MX | Emerido Garcia | 933 |
| AGU526 | Dale Clark | Dallas, TX | 10-12-01 | 03-12-02 | El Rosario, MICH, MX | Maria Guadalupe Cruz | 933 |
| AGU521 | Dale Clark | Dallas, TX | 10-12-01 | 03-01-02 | El Rosario, MICH, MX | Eligio Valdez Cruz | 933 |
| AGU500 | Dale Clark | Dallas, TX | 10-12-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 933 |
| AGU465 | Dale Clark | Dallas, TX | 10-10-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 933 |
| AGU380 | Dale Clark | Dallas, TX | 09-30-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 933 |
| ACH684 | Texas Discovery Gardens | Dallas, TX | 10-23-01 | 03-12-02 | El Rosario, MICH, MX | Maria Guadalupe Cruz | 933 |
| AGU619 | Dale Clark | Dallas, TX | 10-20-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 929 |
| AGU467 | Dale Clark | Dallas, TX | 10-10-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 929 |
| AGU042 | Kathryn Reinertsen | Tyler, TX | 10-21-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 928 |
| 536OQ | Rome Milan | Fort Worth, TX | 10-03-99 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 923 |
| AFB277 | Lamar High School | Arlington, TX | 09-28-01 | 01-31-02 | El Rosario, MICH, MX | Valentine Rendon | 921 |
| AFB161 | Lamar High School | Arlington, TX | 09-26-01 | 03-13-02 | El Rosario, MICH, MX | Guillermina Martinez Cruz | 921 |
| AFB177 | Lamar High School | Arlington, TX | 09-26-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 921 |
| AIH018 | Ruth Duesterheft | Mineral Wells, TX | 10-04-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 919 |
| AIH004 | Ruth Duesterheft | Mineral Wells, TX | 10-04-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 919 |
| AFB159 | Jane Borland | Arlington, TX | 09-26-01 | 02-26-02 | Sierra Chincua, MICH, MX | Abel Valdez Martinez | 917 |
| AIG986 | Paul Duesterheft | Mineral Wells, TX | 10-07-01 | 03-19-02 | Sierra Chincua, MICH, MX | Salvador Camacho Rivera | 915 |
| AIH010 | Ruth Duesterheft | Mineral Wells, TX | 10-04-01 | 01-22-02 | Sierra Chincua, MICH, MX | Jordi Honey-Roses | 915 |
| AIH014 | Ruth Duesterheft | Mineral Wells, TX | 10-04-01 | 01-11-02 | Sierra Chincua, MICH, MX | Eduardo Rendon | 915 |
| AGB814 | Tom Murphy | Cannon Falls, MN | 08-17-01 | 09-27-01 | Abilene, TX | Gary Musgrave | 910 |
| AIH101 | Cooper High School | Abilene, TX | 09-25-01 | 03-14-02 | Cerro Pelon, MICH, MX | Joseph Kust | 900 |
| AJP260 | Fonda Caffey | Abilene, TX | 10-09-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 900 |
| AFL753 | Julia Baker | Abilene, TX | 10-07-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | 900 |
| AJO521 | William Hill | Corsicana, TX | 10-08-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 891 |
| AIH449 | Cooper High School | Abilene, TX | 10-01-01 | 02-13-02 | El Rosario, MICH, MX | Hugo Garcia | 884 |
| AIH427 | Cooper High School | Abilene, TX | 09-29-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 884 |
| AIH399 | Cooper High School | Abilene, TX | 09-29-01 | 03-04-02 | El Rosario, MICH, MX | Jose Luis Garcia | 884 |
| AIH464 | Cooper High School | Abilene, TX | 09-29-01 | 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 884 |
| AIH411 | Cooper High School | Abilene, TX | 09-29-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 884 |
| AIH428 | Cooper High School | Abilene, TX | 09-29-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 884 |
| AIH420 | Cooper High School | Abilene, TX | 09-29-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 884 |
| AIH201 | Cooper High School | Abilene, TX | 09-26-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 884 |
| AIH196 | Cooper High School | Abilene, TX | 09-26-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 884 |
| AIH316 | Cooper High School | Abilene, TX | 09-26-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 884 |
| AIH274 | Cooper High School | Abilene, TX | 09-26-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 884 |
| AIH227 | Cooper High School | Abilene, TX | 09-26-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 884 |
| AIH215 | Cooper High School | Abilene, TX | 09-26-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 884 |
| AIH233 | Cooper High School | Abilene, TX | 09-26-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 884 |
| AIH226 | Cooper High School | Abilene, TX | 09-26-01 | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 884 |
| AIH064 | Cooper High School | Abilene, TX | 09-25-01 | 03-12-02 | El Rosario, MICH, MX | Maria Guadalupe Cruz | 884 |
| AIH153 | Cooper High School | Abilene, TX | 09-25-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 884 |
| AIH071 | Cooper High School | Abilene, TX | 09-25-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 884 |
| AIH049 | Cooper High School | Abilene, TX | 09-25-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 884 |
| AIH152 | Cooper High School | Abilene, TX | 09-25-01 | 01-21-02 | El Rosario, MICH, MX | Carlos D Garcia | 884 |
| AIH112 | Cooper High School | Abilene, TX | 09-05-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 884 |
| AJP247 | Fonda Caffey | Abilene, TX | 10-09-01 | 02-26-02 | El Rosario, MICH, MX | Gary Stell | 884 |
| AFL872 | Fonda Caffey | Abilene, TX | 10-08-01 | 03-01-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 884 |
| AFL857 | Fonda Caffey | Abilene, TX | 10-08-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 884 |
| AFL873 | Fonda Caffey | Abilene, TX | 10-08-01 | 01-20-02 | El Rosario, MICH, MX | Everando Garcia | 884 |
| AFL820 | Fonda Caffey | Abilene, TX | 10-07-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 884 |
| AFL823 | Fonda Caffey | Abilene, TX | 10-07-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 884 |

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| AIH456 | Cooper High School | Abilene, TX | 10-01-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 880 |
| AIH466 | Cooper High School | Abilene, TX | 09-29-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 880 |
| AIH538 | Cooper High School | Abilene, TX | 09-26-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 880 |
| AIH035 | Cooper High School | Abilene, TX | 09-25-01 | 02-20-02 | Sierra Chincua, MICH, MX | Adolfo Ambrosia Garcia | 880 |
| AGE086 | Julia Baker | Abilene, TX | 10-07-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez | 880 |
| AFL763 | Julia Baker | Abilene, TX | 10-07-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 880 |
| AGZ411 | Flutter Farm Butterflies | Winters, TX | 09-29-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 866 |
| AGZ013 | Flutter Farm Butterflies | Winters, TX | 09-25-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 866 |
| AFL910 | Don & Joann Merit | Midland, TX | 10-02-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 862 |
| AHA103 | Flutter Farm Butterflies | Wingate, TX | 10-03-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 856 |
| AHA081 | Flutter Farm Butterflies | Wingate, TX | 10-03-01 | 03-01-02 | El Rosario, MICH, MX | Carlos Luis Garcia Martinez | 856 |
| AGZ501 | Flutter Farm Butterflies | Wingate, TX | ? | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez Martinez | 851 |
| AGY940 | Dana Guy | Winters, TX | 09-29-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 850 |
| AGY935 | Dana Guy | Winters, TX | 09-29-01 | 02-18-02 | El Rosario, MICH, MX | Herman Medina | 850 |
| AGZ305 | Dana Guy | Winters, TX | 09-29-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 850 |
| AGZ388 | Dana Guy | Winters, TX | 09-29-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 850 |
| AGY939 | Dana Guy | Winters, TX | 09-29-01 | 01-20-02 | El Rosario, MICH, MX | Everando Garcia | 850 |
| AGZ531 | Dawson Mc Gullin | Winters, TX | 09-29-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 850 |
| AGZ564 | Dawson Mc Gullin | Winters, TX | 09-29-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 850 |
| AGZ551 | Dawson Mc Gullin | Winters, TX | 09-29-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | 850 |
| AGZ471 | Doddie Driake | Winters, TX | 09-30-01 | 01-11-02 | El Rosario, MICH, MX | Maria del Carmen Perfecto Garcia | 850 |
| AGZ606 | Flutter Farm Butterflies | Winters, TX | 10-02-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 850 |
| AGZ600 | Flutter Farm Butterflies | Winters, TX | 10-02-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 850 |
| AGZ605 | Flutter Farm Butterflies | Winters, TX | 10-02-01 | 02-27-02 | El Rosario, MICH, MX | Emerido Garcia | 850 |
| AHA070 | Flutter Farm Butterflies | Winters, TX | 10-02-01 | 02-27-02 | El Rosario, MICH, MX | Emerido Garcia | 850 |
| AHA028 | Flutter Farm Butterflies | Winters, TX | 10-02-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 850 |
| AGZ615 | Flutter Farm Butterflies | Winters, TX | 10-02-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 850 |
| AHA015 | Flutter Farm Butterflies | Winters, TX | 10-02-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 850 |
| AHA067 | Flutter Farm Butterflies | Winters, TX | 10-02-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 850 |
| AGZ628 | Flutter Farm Butterflies | Winters, TX | 10-02-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 850 |
| AGZ491 | Flutter Farm Butterflies | Winters, TX | 09-30-01 | 03-08-02 | El Rosario, MICH, MX | Gerardo Garcia Martinez | 850 |
| AGZ191 | Flutter Farm Butterflies | Winters, TX | 09-28-01 | 02-26-02 | El Rosario, MICH, MX | Andreas Morelos | 850 |
| AGZ184 | Flutter Farm Butterflies | Winters, TX | 09-28-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 850 |
| AGZ094 | Flutter Farm Butterflies | Winters, TX | 09-25-01 | 02-21-02 | El Rosario, MICH, MX | Herman Medina | 850 |
| AGZ067 | Flutter Farm Butterflies | Winters, TX | 09-25-01 | 02-20-02 | El Rosario, MICH, MX | Diego Castro Raiz | 850 |
| AGY876 | Flutter Farm Butterflies | Winters, TX | 09-25-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 850 |
| AGY962 | Dana Guy | Winters, TX | 09-29-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 846 |
| AHA100 | Flutter Farm Butterflies | Winters, TX | 10-03-01 | 02-26-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 846 |
| AHA043 | Flutter Farm Butterflies | Winters, TX | 10-02-01 | 03-04-02 | Sierra Chincua, MICH, MX | Geraldo Vidal Martinez | 846 |
| AGZ337 | Flutter Farm Butterflies | Winters, TX | 09-29-01 | 03-08-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 846 |
| AGZ136 | Flutter Farm Butterflies | Winters, TX | 09-28-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 846 |
| AGZ031 | Flutter Farm Butterflies | Winters, TX | 09-25-01 | 03-08-02 | Sierra Chincua, MICH, MX | Juventino Martinez | 846 |
| AJO430 | William Hill | San Angelo, TX | 09-30-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 830 |
| AJO654 | William Hill | San Angelo, TX | 09-29-01 | 03-03-02 | Cerro Pelon, MICH, MX | Marco Antonio Estrada | 830 |
| AJO447 | William Hill | San Angelo, TX | 09-30-01 | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | 814 |
| AJO371 | William Hill | San Angelo, TX | 09-30-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 814 |
| AJO685 | William Hill | San Angelo, TX | 09-30-01 | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 814 |
| AJO697 | William Hill | San Angelo, TX | 09-30-01 | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | 814 |
| AJO607 | William Hill | San Angelo, TX | 09-29-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 814 |
| AJO336 | William Hill | San Angelo, TX | 09-29-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 814 |
| AJO577 | William Hill | San Angelo, TX | 09-29-01 | 03-09-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 814 |
| AJO606 | William Hill | San Angelo, TX | 09-29-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 814 |
| AJO617 | William Hill | San Angelo, TX | 09-29-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 814 |
| AJO331 | William Hill | San Angelo, TX | 09-29-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 814 |
| AJO667 | William Hill | San Angelo, TX | 09-29-01 | 02-11-02 | El Rosario, MICH, MX | Herman Medina | 814 |
| AJO649 | William Hill | San Angelo, TX | 09-29-01 | 01-18-02 | El Rosario, MICH, MX | Armado Garcia | 814 |
| AJO339 | William Hill | San Angelo, TX | 09-29-01 | 03-04-02 | Sierra Chincua, MICH, MX | Benito Vidal Cruz | 810 |
| AJO663 | William Hill | San Angelo, TX | 09-29-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 810 |
| AFC551 | Kay Keen | Mertzon, TX | 10-01-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 802 |
| AFC547 | Kay Keen | Mertzon, TX | ? | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 798 |
| AFC550 | Kay Keen | Mertzon, TX | 09-27-01 | 03-04-02 | Sierra Chincua, MICH, MX | Manuel Valdez Ambrosio | 798 |
| AGW110 | Jan Dauphin | Anahuac, TX | 10-28-01 | 03-12-02 | El Rosario, MICH, MX | Jorge Medina | 782 |
| AGW111 | Jan Dauphin | Anahuac, TX | 10-28-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 782 |
| AFB725 | Jenny Singleton | Hext, TX | 10-06-01 | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | 775 |

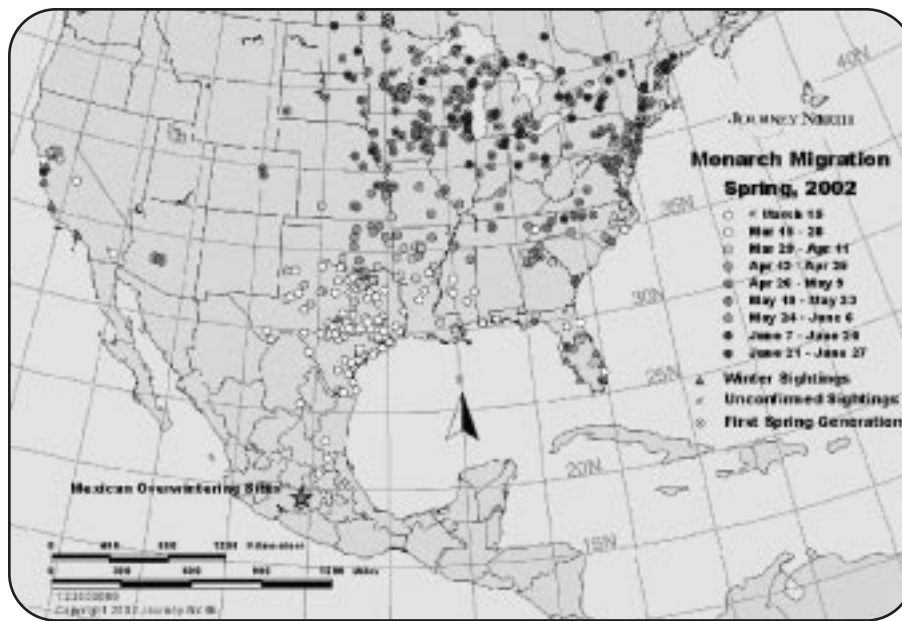
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| AFE294 | Marcie Wilcox | Cedar Park, TX | 10-14-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 766 |
| AFE265 | Marcie Wilcox | Cedar Park, TX | 10-14-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 766 |
| AFE287 | Marcie Wilcox | Cedar Park, TX | 10-14-01 | 02-16-02 | El Rosario, MICH, MX | Armado Garcia | 766 |
| AIR416 | Balcones Canyonlands NWR | Austin, TX | 10-14-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 753 |
| AIR502 | Balcones Canyonlands NWR | Austin, TX | 10-14-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 753 |
| AIR431 | Balcones Canyonlands NWR | Austin, TX | 10-14-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 753 |
| AIR576 | Balcones Canyonlands NWR | Austin, TX | 10-14-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 753 |
| AIR334 | Balcones Canyonlands NWR | Austin, TX | 10-07-01 | 03-08-02 | El Rosario, MICH, MX | Martinez Garcia Martinez | 753 |
| AGX633 | Gerry Adair | Austin, TX | 10-14-01 | ? | El Rosario, MICH, MX | Merry Jo Bauer | 753 |
| AIR590 | Balcones Canyonlands NWR | Austin, TX | 10-16-01 | 03-04-02 | Sierra Chincua, MICH, MX | Miguel Angel Martinez Garcia | 748 |
| AIR352 | Balcones Canyonlands NWR | Austin, TX | 10-07-01 | 03-04-02 | Sierra Chincua, MICH, MX | Saul Moreno Geronimo | 748 |
| AIR300 | Balcones Canyonlands NWR | Austin, TX | 10-06-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 748 |
| AJP603 | Faye Inglis | Dripping Springs, TX | 10-06-01 | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | 741 |
| AJP545 | Faye Inglis | Dripping Springs, TX | 10-05-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 741 |
| AFK808 | Bea Harrison | Del Rio, TX | 10-13-01 | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | 689 |
| ADT172 | St. James Episcopal School | Del Rio, TX | 10-15-01 | 03-08-02 | Cerro Pelon, MICH, MX | Kay Kust | 689 |
| AGX207 | Debbie Clegg | SanAntonio, TX | 10-15-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcis Dominguez | 687 |
| AHX675 | John Jay High School | San Antonio, TX | 10-07-01 | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | 687 |
| ACC303 | John Jay Science Academy | San Antonio, TX | 10-07-01 | 02-27-02 | El Rosario, MICH, MX | Eduardo Garcia Garcia | 687 |
| AHX725 | John Jay Science Academy | San Antonio, TX | 10-07-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 687 |
| AFB568 | John Jay Science Academy | San Antonio, TX | 10-07-01 | 02-21-02 | El Rosario, MICH, MX | Herman Medina | 687 |
| AHX695 | John Jay Science Academy | San Antonio, TX | 10-07-01 | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | 687 |
| AFB458 | John Jay High School | San Antonio, TX | 10-07-01 | 03-06-02 | Sierra Chincua, MICH, MX | Alphonzo Garcia | 682 |
| ACC311 | John Jay High School | San Antonio, TX | 10-07-01 | 03-06-02 | Sierra Chincua, MICH, MX | Angela Gonzalez | 682 |
| AFL295 | Bea Harrison | Del Rio, TX | 10-15-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 673 |
| AFL290 | Bea Harrison | Del Rio, TX | 10-15-01 | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | 673 |
| AFK814 | Bea Harrison | Del Rio, TX | 10-13-01 | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | 673 |
| AFK925 | Bea Harrison | Del Rio, TX | 10-13-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 673 |
| AFK875 | Bea Harrison | Del Rio, TX | 10-13-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 673 |
| AFK843 | Bea Harrison | Del Rio, TX | 10-13-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 673 |
| AFL250 | Bea Harrison | Del Rio, TX | 10-13-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 673 |
| AFK382 | Bea Harrison | Del Rio, TX | 10-13-01 | 02-15-02 | El Rosario, MICH, MX | Helen Guilbert & Sr. Diego Castro Ruiz | 673 |
| AFK823 | Bea Harrison | Del Rio, TX | 10-13-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 673 |
| AFK352 | Bea Harrison | Del Rio, TX | 10-13-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 673 |
| AFK319 | Bea Harrison | Del Rio, TX | 10-13-01 | 01-31-02 | El Rosario, MICH, MX | Eduardo Rendon | 673 |
| AFK805 | Bea Harrison | Del Rio, TX | 10-13-01 | 01-24-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 673 |
| AFK839 | Bea Harrison | Del Rio, TX | 10-13-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 673 |
| AFK772 | Bea Harrison | Del Rio, TX | 10-13-01 | 01-11-02 | El Rosario, MICH, MX | Miguel Angel Martinez Garcia | 673 |
| AFK301 | Bea Harrison | Del Rio, TX | 10-03-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 673 |
| AFK287 | Bea Harrison | Del Rio, TX | 10-03-01 | 01-11-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | 673 |
| AGX977 | David Larson | Del Rio, TX | 10-03-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 673 |
| 985JL | David Larson | Del Rio, TX | 10-14-99 | 01-11-02 | El Rosario, MICH, MX | Alejandro Castro | 673 |
| AGY070 | Larson & McEwen | Del Rio, TX | ? | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | 673 |
| AGY256 | Larson & McEwen | Del Rio, TX | 10-24-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 673 |
| AGY251 | Larson & McEwen | Del Rio, TX | 10-23-01 | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | 673 |
| AGY127 | Larson & McEwen | Del Rio, TX | 10-12-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 673 |
| AGY156 | Larson & McEwen | Del Rio, TX | 10-12-01 | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 673 |
| AGY038 | Larson & McEwen | Del Rio, TX | 10-03-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 673 |
| AGX996 | Larson & McEwen | Del Rio, TX | 10-03-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 673 |
| AGX893 | Larson & McEwen | Del Rio, TX | 10-02-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 673 |
| AGX836 | Larson & McEwen | Del Rio, TX | 10-02-01 | 02-21-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 673 |
| AGX958 | Larson & McEwen | Del Rio, TX | 10-02-01 | 02-21-02 | El Rosario, MICH, MX | Romero Garcia | 673 |
| AGX877 | Larson & McEwen | Del Rio, TX | 10-02-01 | 02-13-02 | El Rosario, MICH, MX | Romero Garcia-Martinez | 673 |
| ADT188 | St. James Episcopal School | Del Rio, TX | 10-15-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 673 |
| AFK794 | Bea Harrison | Del Rio, TX | 10-13-01 | 03-19-02 | Sierra Chincua, MICH, MX | Katie Kust | 668 |
| AFK760 | Bea Harrison | Del Rio, TX | 10-13-01 | 03-04-02 | Sierra Chincua, MICH, MX | Geraldo Vidal Martinez | 668 |
| AFK793 | Bea Harrison | Del Rio, TX | 10-13-01 | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | 668 |
| AFK894 | Bea Harrison | Del Rio, TX | 10-13-01 | 01-22-02 | Sierra Chincua, MICH, MX | Jordi Honey-Roses | 668 |
| AGY125 | David Larson | Del Rio, TX | 10-12-01 | 03-01-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 668 |
| AGY188 | Larson & McEwen | Del Rio, TX | 10-16-01 | 03-19-02 | Sierra Chincua, MICH, MX | Salvador camacho rivera | 668 |
| AGY123 | Larson & McEwen | Del Rio, TX | 10-12-01 | 03-12-02 | Sierra Chincua, MICH, MX | Elizabeth Janota | 668 |
| AGY147 | Larson & McEwen | Del Rio, TX | 10-12-01 | 03-06-02 | Sierra Chincua, MICH, MX | Angela Gonzalez | 668 |
| AGY080 | Larson & McEwen | Del Rio, TX | 10-12-01 | 02-27-02 | Sierra Chincua, MICH, MX | Javier Martinez | 668 |
| AGX871 | Larson & McEwen | Del Rio, TX | 10-02-01 | 02-27-02 | Sierra Chincua, MICH, MX | Rigerberto Martinez Hernandez | 668 |

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| AGX870 | Larson & McEwen | Del Rio, TX | 10-02-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 668 |
| AFK034 | Dalla Thurlow | Uvalde, TX | 10-17-01 | 01-11-02 | El Rosario, MICH, MX | Miguel Angel Martinez Garcia | 661 |
| AFK189 | Sharon Barnett | Uvalde, TX | 10-23-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 661 |
| AFK199 | Sharon Barnett | Uvalde, TX | 10-23-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 661 |
| AFK158 | Sharon Barnett | Uvalde, TX | 10-15-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 661 |
| AFK042 | Dalla Thurlow | Uvalde, TX | 10-17-01 | 03-08-02 | Sierra Chincua, MICH, MX | Geraldo Martinez Garcia | 657 |
| AGY715 | Carol Cullar | Quemado, TX | 10-10-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 643 |
| AGY718 | Carol Cullar | Quemado, TX | 10-10-01 | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 643 |
| AGY625 | Randy Lawrence | Quemado, TX | 10-08-01 | 03-12-02 | El Rosario, MICH, MX | Jorge Medina | 643 |
| AGY636 | Randy Lawrence | Quemado, TX | 10-08-01 | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | 643 |
| AGY642 | Randy Lawrence | Quemado, TX | 10-08-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 643 |
| AGY616 | Randy Lawrence | Quemado, TX | 10-08-01 | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | 643 |
| AGY576 | Randy Lawrence | Quemado, TX | 10-08-01 | 02-26-02 | El Rosario, MICH, MX | Hernando Gonzalez | 643 |
| AGY630 | Randy Lawrence | Quemado, TX | 10-08-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | 643 |
| AGY595 | Randy Lawrence | Quemado, TX | 10-08-01 | 01-18-02 | El Rosario, MICH, MX | Carlos Garcia | 643 |
| AGY394 | Randy Lawrence | Quemado, TX | 10-06-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 643 |
| AGY350 | Randy Lawrence | Quemado, TX | 10-06-01 | 01-28-02 | El Rosario, MICH, MX | Sander Wise | 643 |
| AGY690 | Carol Cullar | Eagle Pass, TX | 10-09-01 | 03-03-02 | Cerro Pelon, MICH, MX | Marco Antonio Estrada | 642 |
| AGY589 | Randy Lawrence | Quemado, TX | ? | 01-22-02 | Sierra Chincua, MICH, MX | Jordi Honey-Roses | 638 |
| AGY650 | Randy Lawrence | Quemado, TX | 10-08-01 | 01-25-02 | Sierra Chincua, MICH, MX | Javier Garcia Dominguez | 638 |
| AGY378 | Randy Lawrence | Quemado, TX | 10-06-01 | 02-27-02 | Sierra Chincua, MICH, MX | Miguel Morena Ambrosio | 638 |
| AGY381 | Randy Lawrence | Quemado, TX | 10-06-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 638 |
| ACO546 | Carol Cullar | Eagle Pass, TX | 10-22-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 626 |
| ACO590 | Carol Cullar | Eagle Pass, TX | 10-20-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 626 |
| ACO522 | Carol Cullar | Eagle Pass, TX | 10-19-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | 626 |
| ACO458 | Carol Cullar | Eagle Pass, TX | 10-15-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | 626 |
| ACC266 | Carol Cullar | Eagle Pass, TX | 10-12-01 | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | 626 |
| AGY696 | Carol Cullar | Eagle Pass, TX | 10-09-01 | 03-12-02 | El Rosario, MICH, MX | Emerido Garcia | 626 |
| AGY702 | Carol Cullar | Eagle Pass, TX | 10-09-01 | 03-12-02 | El Rosario, MICH, MX | Leonardo Garcia Martinez | 626 |
| AGY532 | Carol Cullar | Eagle Pass, TX | 10-07-01 | 03-13-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 626 |
| AGY542 | Carol Cullar | Eagle Pass, TX | 10-07-01 | 02-28-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | 626 |
| AGY538 | Carol Cullar | Eagle Pass, TX | 10-07-01 | 02-26-02 | El Rosario, MICH, MX | Christobal Garcia Dominguez | 626 |
| ACO459 | Carol Cullar | Eagle Pass, TX | ? | 03-04-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | 621 |
| ACO624 | Carol Cullar | Eagle Pass, TX | 10-22-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 621 |
| ACO523 | Carol Cullar | Eagle Pass, TX | 10-19-01 | 03-04-02 | Sierra Chincua, MICH, MX | Geraldo Vidal Martinez | 621 |
| ACO509 | Carol Cullar | Eagle Pass, TX | 10-18-01 | 02-27-02 | Sierra Chincua, MICH, MX | Adulfo Ambrosio Gonzalez | 621 |
| ACC272 | Lee Elem. | Eagle Pass, TX | 10-15-01 | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez Martinez | 621 |
| AHZ183 | Lehmann Research Foundation | Carrizo Springs, TX | 10-18-01 | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | 614 |
| AHZ374 | Lehmann Research Foundation | Carrizo Springs, TX | 10-18-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 614 |
| AHZ458 | Lehmann Research Foundation | Carrizo Springs, TX | 10-18-01 | 03-07-02 | El Rosario, MICH, MX | Carlos Zaucedo Medina | 614 |
| AHZ299 | Lehmann Research Foundation | Carrizo Springs, TX | 10-18-01 | 02-28-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 614 |
| AHZ427 | Lehmann Research Foundation | Carrizo Springs, TX | 10-18-01 | 03-06-02 | Sierra Chincua, MICH, MX | Leon Valdez | 609 |
| AHZ359 | Lehmann Research Foundation | Carrizo Springs, TX | 10-18-01 | 02-20-02 | Sierra Chincua, MICH, MX | Diego Castro Raiz | 609 |
| 238QX | Robin Whitfield | Tallahassee, FL | 05-18-01 | 07-30-01 | Amelia, VA | James Rogers | 597 |
| AFE467 | Maria Araujo | Monterrey, MX | 11-18-01 | 03-03-02 | Cerro Pelon, MICH, MX | Elida Morcha | 432 |
| AJT137 | Alida Madero-Enkerlin | Monterrey, MX | 10-23-01 | 01-20-02 | El Rosario, MICH, MX | Everando Garcia | 416 |
| AJT087 | Alida Madero-Enkerlin | Monterrey, MX | 10-22-01 | 02-26-02 | El Rosario, MICH, MX | Antonio Garcia Garcia | 416 |
| AJT132 | Alida Madero-Enkerlin | Monterrey, MX | 10-22-01 | 02-13-02 | El Rosario, MICH, MX | Hugo Garcia | 416 |
| AFE465 | Maria Araujo | Monterrey, MX | 11-17-01 | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | 416 |
| AFE457 | Maria Araujo | Monterrey, MX | 10-17-01 | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | 416 |
| AFE452 | Maria Araujo | Monterrey, MX | 10-17-01 | 02-26-02 | El Rosario, MICH, MX | Rojelio Garcia Valencio | 416 |
| ABG303 | Daniel Jenkins | Saranac Lake, NY | 09-12-01 | 09-22-01 | Arlington, VA | Martha Heisel | 406 |
| AHU625 | Rene Flores | Saltillo, COAH | 09-23-01 | 02-13-02 | El Rosario, MICH, MX | John & Alicia Mc Donnell | 401 |
| 343ZT | Rocio Trevino | Saltillo, COAH | 10-26-01 | 03-12-02 | El Rosario, MICH, MX | Veronico Garcia Garcia | 401 |
| AIQ220 | Paula Waggy | Franklin, WV | 09-12-01 | 10-07-01 | Anderson, SC | Jeff Bennett | 339 |
| AGF273 | Kathleen & Doug Ziemer | Carlisle, IA | 09-22-01 | 10-24-01 | Little Chute, WI | Hayley Weyers | 325 |
| AFF268 | Kathy Jewett | Portland, ME | 09-13-01 | 10-10-01 | Mantoloking, NJ | Jeff Krauszer | 319 |
| AHD417 | Billy Mc Cord | Folly Beach, SC | 10-21-01 | 10-30-01 | Cocoa, FL | Ernestine James | 300 |
| ADZ112 | Carolyn Schmidt | Mapleton, ND | 08-18-01 | 11-01-01 | Rochester, MN | Greg Munson | 298 |
| AAU683 | Matt Sprow | Bolton Landing, NY | 10-02-01 | 11-01-01 | Sorrento, ME | Moriarty | 280 |
| AAI810 | CT Butterfly Association | Madison, CT | 09-15-01 | 11-03-01 | Trappe, MD | Tanis Schwaninger | 257 |
| AAG695 | Kenneth A. Brett School | Tamworth, NH | 09-10-01 | 09-25-01 | West Islip, NY | Maria Felicia | 241 |
| AAG015 | Trevor Jeaourond | Cornwall, ONT | 08-24-01 | 09-01-01 | New Hartford, CT | Sarah Krzynowek | 235 |
| ABZ280 | Carol Sutek | Wooster, OH | 08-25-01 | ? | Indianapolis, IN | Dayne Amonette | 234 |

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| AFG179 | Robbie Marshall | Old Saybrook, CT | 09-16-01 | 09-30-01 | Stone Harbor, NJ | Dale Watson | 200 |
| AAW795 | Eloise Douty | Loganton, PA | 09-28-01 | 10-18-01 | Fredericksburg, VA | Kelly Tivnan | 189 |
| AHA711 | Susan Carpenter | Cabot, VT | 09-08-01 | 09-15-01 | Jefferson, NY | Danielle All | 176 |
| AA1865 | CT Butterfly Association | Madison, CT | 09-15-01 | 11-22-01 | Philadelphia, PA | Joe Macallister | 159 |
| AGE848 | Linda Starling's Class | Oklahoma City, OK | 10-29-01 | 11-10-01 | Decatur, TX | Ethan Davidson | 154 |
| ABR473 | Tristan's Butterfly Rangers | Deland, FL | 10-20-01 | 11-04-01 | Port Charlotte, FL | Tong | 150 |
| AFB785 | Jenny Singleton | Hext, TX | 10-06-01 | 11-06-01 | Sheffield, TX | Don & Barbara Wood | 137 |
| AIU392 | Rafe Begley | Hugoton, KS | 09-24-01 | 10-05-01 | Panhandle, TX | C.J. Kelly | 126 |
| ABH233 | Deborah Chapman | Herndon, VA | 09-21-01 | 09-23-01 | Roseland, VA | Lincoln Brower | 121 |
| AJL944 | Alyssa Baltes | Sauk Rapids, MN | 10-04-01 | ? | Frontenac, MN | Jeff Mund | 116 |
| AA1519 | Chris Higley | Willington, CT | 08-12-01 | 08-22-01 | Englewood, NJ | James Dusenberg | 112 |
| ACZ533 | Vicki Peterson | Madison, WI | 10-04-01 | 10-05-01 | St. Charles, IL | Greg Weber | 97 |
| ADF522 | Steve Connoley | Williamsport, PA | 08-25-01 | 08-30-01 | Mount Wolf, PA | Gladys Blausner | 83 |
| AHL363 | Robyn Grasmick | Oklahoma City, OK | 09-29-01 | 10-04-01 | Duncan, OK | Floyd and Winona Brown | 70 |
| AAP770 | Carol La Fon | Marlton, NJ | 09-25-01 | 10-03-01 | Cape May Point, NJ | Mark Garland | 66 |
| AIC979 | Charles Cameron | Greensboro, NC | 09-13-01 | 09-22-01 | Willis, VA | Jennifer & Tommy Brancome | 65 |
| AAN694 | Bonnie Chase | Madison, NJ | 09-22-01 | 09-23-01 | Philadelphia, PA | Harry & Diane Livingston | 64 |
| AAL363 | Ian Morris | Old Lyme, CT | 09-01-01 | 09-04-01 | Sayville, NY | Patricia Gonzales | 56 |
| AFG073 | Robbie Marshall | Old Saybrook, CT | 09-11-01 | 10-03-01 | Milford, CT | Samantha Gaul | 36 |
| AAO584 | James Kupcho | Woodbridge, NJ | 08-14-01 | 08-25-01 | Spring Lake, NJ | Candace Schroeder | 31 |
| AAQ462 | Vincent Corsello | Lincroft, NJ | 09-19-01 | 10-24-01 | Yardville, NJ | Paula Miller | 31 |
| AHY785 | James Kupcho | Sewaren, NJ | 10-03-01 | 10-10-01 | Howell, NJ | Elyssa Joy Wrubel | 28 |
| AAL389 | Ian Morris | Wallingford, CT | 08-26-01 | ? | Old Lyme, CT | Peter Abare-Brown | 27 |
| AJQ349 | Margaret Frick | El Lago, TX | 12-07-01 | ? | Houston, TX | ? | 25 |
| AIZ555 | Mr. Bishop's Class | Eagan, MN | 10-08-01 | 10-21-01 | Cannon falls, MN | Alyssa Heather | 25 |
| AHY611 | Joan Zsilavetz | West Carteret, NJ | 10-02-01 | 10-04-01 | Freehold, NJ | Mr & Mrs Arthur McNally | 23 |
| AAK953 | Ian Morris | Wallingford, CT | 10-03-01 | 10-06-01 | Milford, CT | Robert Sherwood | 20 |
| ACC528 | Gabriela Fritz-Watson | Muncie, IN | 09-02-01 | ? | New Castle, IN | Caleb Jackson | 19 |
| AIK142 | Shari James | Scottsburg, IN | 08-28-01 | 09-12-01 | Salem, IN | Lori Jackson | 18 |
| ADA622 | Judy Thoren | Neenah, WI | 09-02-01 | 09-05-01 | Omro, WI | Ann Kuehn | 16 |
| AJN539 | Preston Nany | Addison, TX | ? | 10-18-01 | Garland, TX | James Glasscock | 13 |
| ABT107 | Sandra Crosser | Brooksville, FL | 10-21-01 | 10-30-01 | Spring Hill, FL | Joseph Hill | 11 |
| ADE045 | Beth Sneden | Mahtomedi, MN | 09-28-01 | 10-03-01 | St Paul, MN | Nathan Romero | 10 |
| ADE255 | R. Boyd | Rosemount, MN | 10-03-01 | 10-06-01 | Lakeville, MN | Bungert Family | 10 |
| AEB067 | ? | ? | ? | 02-13-02 | El Rosario, MICH, MX | Hugo Garcia | ? |
| AGN823 | Anne Black-Sinak | ? | ? | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | ? |
| AGN814 | Anne Black-Sinak | ? | ? | 03-04-02 | Sierra Chincua, MICH, MX | Miguel Angel Martinez Garcia | ? |
| AGN818 | Anne Black-Sinak | ? | ? | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | ? |
| AGN817 | Anne Black-Sinak | ? | ? | 02-26-02 | Sierra Chincua, MICH, MX | Herman Medina | ? |
| AGN663 | Anne Black-Sinak | ? | ? | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | ? |
| AGN623 | Anne Black-Sinak | ? | ? | 09-27-01 | Millington, TN | Crenshaw Plumbing Co. | ? |
| AGN580 | Anne Black-Sinak | ? | ? | 08-30-01 | Rochester, MN | Lily Herbert | ? |
| AHQ731 | Anne Harless | ? | ? | 11-15-01 | Cadillac, MI | Trevor & Ted Oliver | ? |
| WN400 | Beth Key | ? | ? | 01-06-02 | El Rosario, MICH, MX | Alejandro Gronados | ? |
| AHO283 | Bob Melton | ? | ? | 03-13-02 | El Rosario, MICH, MX | Armando Garcia Garcia | ? |
| AHL042 | Bob Melton | ? | ? | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | ? |
| AHM746 | Bob Melton | ? | ? | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | ? |
| AHK626 | Bob Melton | ? | ? | 03-09-02 | El Rosario, MICH, MX | Laureano Garcia | ? |
| AHK966 | Bob Melton | ? | ? | 03-04-02 | El Rosario, MICH, MX | Ismael Garcia Romero | ? |
| AHO270 | Bob Melton | ? | ? | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | ? |
| AHO586 | Bob Melton | ? | ? | 02-26-02 | El Rosario, MICH, MX | Enrique Martinez | ? |
| AHM989 | Bob Melton | ? | ? | 02-26-02 | El Rosario, MICH, MX | Juan Garcia Martinez | ? |
| AHN952 | Bob Melton | ? | ? | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | ? |
| AHK954 | Bob Melton | ? | ? | 02-18-02 | El Rosario, MICH, MX | Carlos D Garcia | ? |
| AHM954 | Bob Melton | ? | ? | 02-13-02 | El Rosario, MICH, MX | Romero Garcia Martinez | ? |
| AHM911 | Bob Melton | ? | ? | 02-11-02 | El Rosario, MICH, MX | Herman Medina | ? |
| AHK612 | Bob Melton | ? | ? | 01-21-02 | El Rosario, MICH, MX | Carlos D Garcia | ? |
| AHL048 | Bob Melton | ? | ? | 01-20-02 | El Rosario, MICH, MX | Carlos D Garcia | ? |
| AHO234 | Bob Melton | ? | ? | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | ? |
| AHN162 | Bob Melton | ? | ? | 10-04-01 | Oklahoma City, OK | Putnam City High School | ? |
| AHI826 | Carol Bricker | ? | ? | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | ? |
| AIM545 | Dave Clermont | ? | ? | 09-19-01 | Haverhill, MA | Mrs Quinn | ? |
| AJP018 | David Powell | ? | ? | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | ? |
| AJO992 | David Powell | ? | ? | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | ? |

| Tag No. | Tagger | Tag Location, Date | | Report Date, Location | | Reporter | Miles |
|---------|---------------------|--------------------|---|-----------------------|--------------------------|-----------------------------|-------|
| AJP050 | David Powell | ? | ? | 03-04-02 | Sierra Chincua, MICH, MX | Juventino Martinez | ? |
| AEZ410 | Deb Williams | ? | ? | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | ? |
| AFD764 | Deborah Payne | ? | ? | 09-01-01 | Joliet, IL | Rachel Bujalski | ? |
| 831IW | Dennis Scholl | ? | ? | 01-21-02 | El Rosario, MICH, MX | Armado Garcia | ? |
| ACE976 | Diann Baer | ? | ? | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez | ? |
| AAM530 | Don Cook | ? | ? | 11-05-01 | Brooklyn, NY | T Unger | ? |
| AHR665 | Erik Wild | ? | ? | 03-01-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | ? |
| 182US | Foy/Carpenter | ? | ? | 10-07-01 | Verona, WI | Mr. & Mrs. Steven Carrola | ? |
| SM450 | Gayan Stanley | ? | ? | 03-06-02 | El Rosario, MICH, MX | Jose Joaquin Posados | ? |
| AIN925 | Gayla Munoz | ? | ? | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia | ? |
| AIM194 | Jeremy Huxman | ? | ? | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | ? |
| ACH046 | Joe Mohr | ? | ? | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | ? |
| ACH036 | Joe Mohr | ? | ? | 02-27-02 | El Rosario, MICH, MX | Emerido Garcia | ? |
| ACH034 | Joe Mohr | ? | ? | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia | ? |
| ABL967 | Judy Carson | ? | ? | 03-12-02 | El Rosario, MICH, MX | Simon Garcia Garcia | ? |
| 565PL | Keith Labnow | ? | ? | 08-03-01 | Portal, AZ | SW Research Station | ? |
| MI366 | Ken Brown | ? | ? | 03-06-02 | El Rosario, MICH, MX | Jose Joaquin Posados | ? |
| MI361 | Ken Brown | ? | ? | 11-15-01 | Saltillo, MX | Arturo Portillo | ? |
| AIP885 | Kurk Wiedel | ? | ? | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | ? |
| AIP929 | Kurk Wiedel | ? | ? | 03-12-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | ? |
| AIP936 | Kurk Wiedel | ? | ? | 03-09-02 | El Rosario, MICH, MX | Jorge Medina | ? |
| AIP903 | Kurk Wiedel | ? | ? | 03-09-02 | El Rosario, MICH, MX | Simon Garcia Garcia | ? |
| SD297 | Loretta Hogg | ? | ? | 03-06-02 | Sierra Chincua, MICH, MX | Sergio Valdez Martinez | ? |
| AIT382 | Marsha Samson | ? | ? | 09-13-01 | Devils Lake, ND | Joshua Bussard | ? |
| AJH973 | Marty Birrell | ? | ? | 03-13-02 | El Rosario, MICH, MX | Carmen Garcia Martinez | ? |
| 633MY | Marty Birrell | ? | ? | 03-04-02 | El Rosario, MICH, MX | Rogelio Garcia | ? |
| AJH966 | Marty Birrell | ? | ? | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | ? |
| AJH937 | Marty Birrell | ? | ? | 01-21-02 | El Rosario, MICH, MX | Romero Garcia | ? |
| AJI016 | Marty Birrell | ? | ? | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | ? |
| AJI003 | Marty Birrell | ? | ? | 01-11-02 | El Rosario, MICH, MX | Ramiro Garcia Martinez | ? |
| AGW929 | Mary Kennedy | ? | ? | 03-09-02 | El Rosario, MICH, MX | Simon Garcia Garcia | ? |
| AGW790 | Mary Kennedy | ? | ? | 03-04-02 | El Rosario, MICH, MX | Rogelio Garcia | ? |
| AGW930 | Mary Kennedy | ? | ? | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | ? |
| AGW934 | Mary Kennedy | ? | ? | 02-28-02 | El Rosario, MICH, MX | Juan Carlos Garcia | ? |
| AGW770 | Mary Kennedy | ? | ? | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | ? |
| AGW769 | Mary Kennedy | ? | ? | 02-11-02 | El Rosario, MICH, MX | Diego Castro Raiz | ? |
| 151TI | Mary Kennedy | ? | ? | 01-11-02 | El Rosario, MICH, MX | Mariana Garcia Garcia | ? |
| ADR037 | Mary Kuchenreuther | ? | ? | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia | ? |
| ADQ847 | Mary Kuchenreuther | ? | ? | 03-06-02 | Sierra Chincua, MICH, MX | Cinzia Federici | ? |
| ADQ804 | Mary Kuchenreuther | ? | ? | 03-03-02 | Cerro Pelon, MICH, MX | Marco Antonio Estrada | ? |
| ADQ805 | Mary Kuchenreuther | ? | ? | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | ? |
| ADQ872 | Mary Kuchenreuther | ? | ? | 02-26-02 | El Rosario, MICH, MX | Daniel Gonzalez | ? |
| ADQ660 | Mary Kuchenreuther | ? | ? | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | ? |
| ADQ670 | Mary Kuchenreuther | ? | ? | 02-26-02 | El Rosario, MICH, MX | Christobol Garcia Dominguez | ? |
| ADQ784 | Mary Kuchenreuther | ? | ? | 02-21-02 | El Rosario, MICH, MX | Herman Medina | ? |
| ADQ962 | Mary Kuchenreuther | ? | ? | 02-21-02 | El Rosario, MICH, MX | Herman Medina | ? |
| ADR102 | Mary Kuchenreuther | ? | ? | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia | ? |
| ADQ844 | Mary Kuchenreuther | ? | ? | 01-20-02 | El Rosario, MICH, MX | Simon Garcia | ? |
| AJZ789 | Mary Mc Coy | ? | ? | 02-20-02 | El Rosario, MICH, MX | Gloria Garcia Martinez | ? |
| AIA777 | Medford Leas | ? | ? | 03-04-02 | Sierra Chincua, MICH, MX | Eligio Valdez Cruz | ? |
| AFT563 | Pat Owen | ? | ? | 04-06-02 | El Rosario, MICH, MX | Richard Hodgman | ? |
| AEJ475 | Paula Donham | ? | ? | 03-08-02 | El Rosario, MICH, MX | Mariana Garcia Martinez | ? |
| AEJ275 | Paula Donham | ? | ? | 03-03-02 | Cerro Pelon, MICH, MX | Melciades Morena | ? |
| AEI871 | Paula Donham | ? | ? | 03-03-02 | Cerro Pelon, MICH, MX | Melciados Moreno | ? |
| AHK396 | Randy Davis | ? | ? | 03-04-02 | El Rosario, MICH, MX | Javier Garcia Dominguez | ? |
| AHK371 | Randy Davis | ? | ? | 02-13-02 | El Rosario, MICH, MX | Hugo Garcia | ? |
| AEP223 | Richard Rubino | ? | ? | 02-21-02 | El Rosario, MICH, MX | Nancy Greig | ? |
| 681HK | Rita Berns | ? | ? | 01-09-02 | Sierra Chincua, MICH, MX | Arnulfo Gonsalez | ? |
| ADE225 | Roxanne Schallinger | ? | ? | 10-06-01 | Lakeville, MN | Gary Bungert | ? |
| ABW153 | Sharon Shrum | ? | ? | 03-08-02 | Sierra Chincua, MICH, MX | Juventino Martinez | ? |
| AJA875 | Shawna Robbins | ? | ? | 02-26-02 | El Rosario, MICH, MX | Daniel Garcia Garcia | ? |
| ADR234 | Susan Flynn | ? | ? | 02-26-02 | El Rosario, MICH, MX | Roberta Garcia | ? |
| AAG669 | Wendy Nolin | ? | ? | 09-16-01 | Guilford, CT | Tom Spinner | ? |

OTHER RECOVERIES & REPORTS



*The Monarch Spring Migration
through 27 June 2002.*

*Map reproduced with permission from
Journey North (www.learner.org/jnorth)*

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The following are additional recoveries and updated records reported to Monarch Watch during the 2001 tagging season. Please note that the tags listed below are not Monarch Watch tags: * B=Lincoln Brower tag, S=Gayle Steffy tag; U=Fred Urquhart tag

| Tag No. | Tag* | Tagger | Tag Location | Tag Date | Report Date | Report Location | Reporter |
|---------|------|-------------------|-------------------------|----------|-------------|--------------------------|----------------------------------|
| 100938 | B | Elizabeth Hunter | Bakersville, N.C | 09-06-01 | 03-04-02 | Sierra Chincua, MICH, MX | Jose Alvarez |
| 111308 | B | Lori Hayes | Kelly's Island, Lk Erie | ? | 03-01-02 | El Rosario, MICH, MX | Simon Garcia Garcia |
| 118031 | B | ? | ? | ? | 01-12-02 | El Rosario, MICH, MX | Alejandro Gronados |
| 125774 | B | Chris Kisiel | Cape May, NJ | 09-12-01 | 06-03-02 | Sierra Chincua, MICH, MX | George Beccaloni, British Museum |
| 125856 | B | Chris Kisiel | Cape May, NJ | 09-15-01 | 03-04-02 | Sierra Chincua, MICH, MX | L. P. Brower |
| 126404 | B | ? | ? | ? | 03-12-02 | El Rosario, MICH, MX | Carlos Garcia Garcia |
| 128023 | B | Louise Zemaitis | Cape May, NJ | 09-19-01 | 02-26-02 | El Rosario, MICH, MX | Javier Garcia Dominguez |
| 129567 | B | Chris Kisiel | Cape May, NJ | 09-27-01 | 02-21-02 | El Rosario, MICH, MX | Hugo Garcia |
| 130296 | B | Louise Zemaitis | Cape May, NJ | 10-02-01 | 03-06-02 | Sierra Chincua, MICH, MX | George Beccaloni, British Museum |
| 130429 | B | Louise Zemaitis | Cape May, NJ | 10-03-01 | 02-28-02 | El Rosario, MICH, MX | Daniel Garcia Garcia |
| 193109 | B | MB Park personnel | Toledo, Ohio Area 2 | 08-29-01 | 03-12-02 | El Rosario, MICH, MX | Leonardo Garcia Martinez |
| 193640 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-04-01 | 02-13-02 | El Rosario, MICH, MX | Marina Garcia |
| 193741 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-04-01 | 03-03-02 | Cerro Pelon, MICH, MX | Mercades |
| 193746 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-05-01 | 03-08-02 | El Rosario, MICH, MX | Roberto Garcia |
| 194016 | B | MB Park personnel | Toledo, Ohio Area 2 | 09-02-01 | 01-06-02 | El Rosario, MICH, MX | Ruben Gonzalez |
| 194094 | B | MB Park personnel | Toledo, Ohio Area 2 | 09-13-01 | 02-26-02 | El Rosario, MICH, MX | Diego Castro |
| 194447 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-05-01 | 03-01-02 | El Rosario, MICH, MX | Simon Garcia Garcia |
| 194644 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-06-01 | 02-13-02 | El Rosario, MICH, MX | Marina Garcia |
| 194655 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-06-01 | 01-21-02 | El Rosario, MICH, MX | Armado Garcia |
| 194720 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-06-01 | ? | El Rosario, MICH, MX | Roberto Garcia Ramirez |
| 194825 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-07-01 | 02-27-02 | Sierra Chincua, MICH, MX | Jose Valdez |
| 194833 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-07-01 | 03-03-02 | Cerro Pelon, MICH, MX | Mercades |
| 194841 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-07-01 | 02-13-02 | El Rosario, MICH, MX | Marina Garcia |
| 194869 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-06-01 | 02-11-02 | El Rosario, MICH, MX | Diego C |
| 195113 | B | Doris Stifel | Toledo, Ohio Area 1 | 09-11-01 | 03-09-02 | El Rosario, MICH, MX | Juan Carlos Garcia Garcia |
| 199926 | B | Louise Zemaitis | Cape May, NJ | 09-11-01 | 02-26-02 | El Rosario, MICH, MX | Christobel Garcia Dominguez |
| 199964 | B | Louise Zemaitis | Cape May, NJ | 09-16-01 | 02-28-02 | El Rosario, MICH, MX | Jaime Gonzalez Garcia |
| 125600 | B | Chris Kisiel | Cape May, NJ | 09-18-01 | 09-18-01 | Cape May, NJ | Sarah Jordan |
| 125624 | B | Chris Kisiel | Cape May, NJ | 09-09-01 | 09-13-01 | Cape May, NJ | Paul Grubb |
| 126218 | B | Chris Kisiel | Cape May, NJ | 09-17-01 | 09-21-01 | Cape May, NJ | Eileen Giffoniello & J. Kupcho |
| 127727 | B | Chris Kisiel | Cape May, NJ | 09-22-01 | 10-06-01 | Assateague Is, | Anna McKenna |
| 128221 | B | Louise Zemaitis | Cape May, NJ | 09-21-01 | 09-25-01 | Greenbury Pt, MD | Chris Mixson |
| 128448 | B | ? | Cape May, NJ | 09-22-01 | ? | Orlando, Florida | ? |
| 129106 | B | ? | ? | ? | 09-28-01 | Cape May, NJ | Rev. Theodore Cassidy |
| 130235 | B | ? | ? | ? | 10-05-01 | Heislerville, NJ | Franklin Lescure |
| 09072 | S | Gayle Steffy | Mountville, PA | 09-09-01 | 01-21-02 | El Rosario, MICH, MX | Bernardo Garcia Miranda |
| 09115 | S | Gayle Steffy | Mountville, PA | 09-09-01 | 02-01-02 | El Rosario, MICH, MX | Javier Garcia Dominguez |
| 09290 | S | Gayle Steffy | Drumore, PA | 09-15-01 | 01-22-02 | Sierra Chincua, MICH, MX | Jordi Honey-Roses |
| 89316 | U | Audrey E Wilson | Presqu'ile, Ontario | 09-09-01 | 02-13-02 | El Rosario, MICH, MX | Mariana Garcia |

GULLIVER'S GIFT SHOP

As you no doubt know, Monarch Watch is first and foremost an educational outreach program. Several years ago we began selling various promotional and educational items in an effort to generate additional financial support. As Monarch Watch has grown, the time necessary to maintain this aspect of the program has also grown; in fact, it now takes a large portion of two full-time positions to manage inventory, enter and fill orders, and provide customer support. Unfortunately, this is preventing us from accomplishing many of our education-oriented goals. Additionally, we simply cannot provide the level of service that today's web-savvy customers demand (quick order turnaround, regular phone support, etc.) - we just do not have the resources available to do this.

This dilemma was the driving force behind our decision to partner with HomeEarth. Out of this partnership "Gulliver's Gift Shop" was born, an online storefront (mail, phone, and fax orders are also taken) that carries all of our Monarch Watch items in addition to lots of other nature-related items. Everyone benefits from this relationship

- we are able to offer more products that we could possibly do on our own, HomeEarth manages inventory, processes orders and payments, and ships most items. "Monarch Watchers" have more ordering, payment, and shipping options and also have access to regular customer support. This will greatly simplify things and free up a lot of our time so that we can concentrate on our educational goals.

Online ordering (and/or browsing of the full "catalog") at Gulliver's Gift Shop may be done at

Shop.MonarchWatch.org

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MonarchWatch@HomeEarth.com
3515 Silverside Road, Suite 203
Wilmington, DE 19810
toll-free phone - (800) 780-9986
toll-free fax - (877) 687-4878

A condensed order form is available for printing at

www.MonarchWatch.org/order

however, it does not contain all of the items available via Gulliver's Gift Shop (there are thousands of them!), only

those items traditionally offered by Monarch Watch.

If you have any questions about this, please feel free to contact Gulliver's Gift Shop customer support at

MonarchWatch@HomeEarth.com
or (800) 780-9986

or drop us a line - all of our contact info is printed on the back cover of this publication.

Remember, each and every purchase made at Gulliver's Gift Shop benefits Monarch Watch. **Thank you for your continued support!**

Order Your Tags and Rearing Kits Early!

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OVERWINTERING POPULATION

The Overwintering Monarch Populations in Mexico

Over the last nine years Eligio Garcia, with the assistance of Eduardo Rendon and others, has visited each of the mountains with known monarch colonies to measure the areas and count the trees occupied by monarchs. The data from these counts has been published in the proceedings of the Morelia Conference, through 1996/1997, and has been available to a few of us as annual reports. The information from these reports has been used as the basis for my population estimates and to get a rough assessment of the status of the population. Eligio's records are assembled in the table below.

The data for the sizes of the colonies can be used to track the changes in population size and to relate these changes to weather patterns, catastrophic events, deforestation, and perhaps changes in agricultural practices that affect the abundance of milkweeds and/or monarchs.

The total areas for the colonies at El

Rosario are usually larger than those at Chincua (eight of nine years), although they are often close. Together these two locations are the core of the population. For the last six years the colonies on these two mountains average 68% of the area occupied by the overwintering population.

The average for the total area occupied for the last six years, a period during which all colonies were measured, is 8.92 hectares. If we adjust the totals for 1993-1995, as indicated in the footnote to the table, the mean for all nine years is 9.63 hectares. Both of these means suggest that normal size of the overwintering population is near nine hectares. However, there is considerable variation around this mean and it is probable that both the highest and lowest overwintering populations since the colonies became known to science in 1976 occurred during this period.

Interestingly, the lowest population (2.83 hectares) is 13% of the largest known population (20.97 hectares). This seems like a small proportion, but many insect populations oscillate wildly with the lows being fractions of one percent



A small cluster of monarchs at Sierra Chincua. Photo by Chip Taylor.

| Winter | Hectares | Trees | T/H | El Rosario | Chincua | Cerro Pelon | Other*** |
|------------|--------------------|-------|-----|------------|----------|-------------|----------|
| 1993/1994* | 6.23 | 1707 | 274 | 3.57/.57 | 2.23/.36 | ---- | .43/.07 |
| 1994/1995* | 7.81 | 2264 | 290 | 3.58/.46 | 3.48/.45 | .48/.06 | .27/.03 |
| 1995/1996* | 12.61 | 3327 | 264 | 4.35/.34 | 4.16/.32 | 2.59/.21 | 1.60/.13 |
| 1996/1997 | 20.97 (17.63)** | 6290 | 300 | 7.61/.36 | 6.85/.33 | 2.20/.10 | 4.31/.21 |
| 1997/1998 | 5.77 (4.53)** | 1979 | 343 | 3.37/.58 | .73/.13 | .43/.07 | 1.24/.22 |
| 1998/1999 | 5.56 (4.39)** | 1917 | 345 | 2.06/.37 | 1.97/.35 | .31/.06 | 1.22/.22 |
| 1999/2000 | 9.05 (5.98)** | 3018 | 333 | 3.78/.42 | .92/.10 | 1.01/.11 | 3.34/.37 |
| 2000/2001 | 12.83 (2.29)** | 995 | 352 | 1.27/.45 | .77/.27 | .08/.03 | .71/.25 |
| 2001/2002 | 9.35 (8.40)** | 3278 | 351 | 2.69/.29 | 4.32/.46 | .98/.10 | 1.36/.15 |

Table. Overwintering Monarch colonies in Mexico. The total area and trees occupied by all colonies is shown in columns 2 and 3. The areas and proportions of the total population are shown for the three main mountains with colony sites, El Campanario (El Rosario), Sierra Chincua, and Cerro Pelon.

* Colonies outside the reserve were not measured. These sites measured 10-34% of the total for the 6 years from 1996-2001 with a mean of 20%. Adding 20% to the populations for 1993, 1994, and 1995 yields the following estimates for the total population: 1993/1994 = 7.75, 1994/1995 = 9.75, 1995/1996 = 15.64

**Area of all colonies inside the reserve.

***Includes one or two small colonies within the Reserve.

of the highs. In other words, the oscillations in monarch populations, while of concern, are in fact lower than we see for many species. The explanation for this relatively low variance in the population from year to year may lie in the broad distribution of the breeding habitats, only a portion of which would experience negative influences, such as droughts, in a particular season.

It is important that these winter surveys continue. There are only six years with complete records for all the known colonies. Many studies of population dynamics show that some of the patterns and underlying causes of changes in the populations are not apparent until data has been obtained for twenty years or more.

Acknowledgements

I wish to thank Eligio Garcia and his colleagues for their diligence in conducting these surveys and Eligio for his assistance in providing the data for analysis of population size for the Monarch Watch Season Summaries. Elizabeth Howard of Journey North forwarded several annual reports and helped clarify some of the records.

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President Fox Affirms Support for Monarch Butterflies and the Oyamel Forests



On November 28th 2001, top Mexican political and environmental figures gathered in the Monarch Butterfly Biosphere Reserve at Sierra Chincua to commemorate Mexican Conservation Week. Following the theme of "A New Vision for the Monarch Butterfly", the speakers emphasized the importance of protecting the overwintering habitat of the Monarch Butterfly while simultaneously improving the social and economic opportunities of the local communities. To this end, the speakers offered their renewed support of the conservation efforts currently being implemented in the Monarch Butterfly Biosphere Reserve.

Speaking to a crowd of more than 300 local community members, President Vicente Fox promised to support the conservation efforts in the Monarch Butterfly Biosphere Reserve. He publicly reaffirmed his commitment to both the conservation and the sustainable development of the region. He also promised to meet new conservation goals through the coordination of several federal agencies.

Additional information on this event and the full text of President Fox's speech in both Spanish and English can be found on our web site at

www.monarchwatch.org/conserve/fox.html

We wish to thank the following people for the text of the speech and its translation: Carol Cullar, Jordi Honey-Rosés, Lincoln Brower, Mike Quinn, Alida Madero-Enkerlin. *Photo contributed by WWF-Mexico.*

Monarch Monitoring and Migration Data

Interest in monitoring the size of the monarch population and the timing of the fall and spring migrations has been increasing. Several individuals and groups in different regions of the country have been generating yearly reports of their findings. Unfortunately, these observations and data have only been available to the participants in these studies. To make these data available to all those interested in monarchs, we have created a new section on our web site to archive these reports. In time, we will provide guidelines so that the reports can be more uniform and easily cross-referenced although this may be difficult since each group has different objectives. Nevertheless, having these reports from different portions of the country, and over several years, should give us a better understanding of how the local observations compare with the broad pictures we compile from the many anecdotal reports we receive. If you would like to have us post your regional report to the Monarch Watch web site, please send us a copy of the report as an electronic file.

FEATURED MILKWEEDS

by Chip Taylor

Asclepias sullivantii Gray Smooth Milkweed

As its common name implies, *Asclepias sullivantii* lacks fine hairs and feels smooth to the touch. This species is similar to the common milkweed, *A. syriaca*, in height and general appearance but can be distinguished by the smoother leaves, erect, rather than slightly pendulous, flowers; and tendency to form large clones. These plants also contain large amounts of latex.

Flowers are pink to purplish but can have white petals in some cases. This species is confined to prairies, ditches, and pastures that are not grazed heavily. Monarchs oviposit on upper leaves and flowers but not in great numbers. Monarch larvae, and those of most milkweed feeding lepidoptera, appear to be deterred by the excessive latex in this species. In 10 years I have yet to find a fifth instar monarch larva on *A. sullivantii*. This species is pollinated by a large variety of insects including bumblebees and many lepidoptera.

and open. The flowers vary in color from pinkish to yellowish. It is a broadly distributed species and can be found in prairies, but is more common in areas with poor soils and moderate vegetative competition. It is not invasive nor does it appear to tolerate disturbance. Perhaps because it is uncommon in Kansas, I have not seen evidence that *Asclepias amplexicaulis* is used by monarchs in this region. However, this species is relatively common in open pine forests of the Gulf States and there it serves as a host for the first generation monarch larvae in March and April. ■



Asclepias sullivantii
Gray Smooth Milkweed



The shaded areas of these U.S. maps represent counties where *A. sullivantii* (above) and *A. amplexicaulis* (below) have been reported.



Asclepias amplexicaulis Bluntleaf Milkweed

The bluntleaf milkweed is one of the earliest milkweeds to emerge and bloom each spring. The opposite leaves are relatively few (6-10), broad, and embrace the stem at their base, giving rise to the species name. The single inflorescence on the terminus of each ramet is large



Asclepias amplexicaulis
Bluntleaf Milkweed



TROPICAL MILKWEED

Tropical Milkweed, or Bloodflower, *A. curassavica*

by Steve Broyles
State University of New York College at
Cortland, broyles@cortland.edu

Asclepias curassavica has been regarded as a “pan-tropical weed” by some authors with a possible origin in the New World tropics. On a recent trip to Belize, I found beautiful knee-high plants of *Asclepias curassavica* along the banks of the Macal River. The flowers of this so-called weed were ablaze in vibrant red and orange. Numerous fruits in various stages of development dotted the plants like ornaments. Its location along the clear, clean Macal seemed idyllic for this tropical setting. In my mind, the term weed conjures a vision as an unwanted, aggressive plant that thwarts all efforts to eradicate it and often benefits by human efforts. Agricultural fields in the northern states and Canada with peripheral clones of Common Milkweed (*A. syriaca*) comes closer to satisfying the weedy definition.

Despite its apparent benign nature, bloodflower is a prolific seed producer. Its reproductive success is, in part, due to the unusual structural morphology of the milkweed flower. The bright red petals of *Asclepias curassavica* flex backward from the business part of the flower to expose five glorious golden hoods. These hoods are modifications of the male pollen bearing, or anther, tissue, rather than petaloid, and they act as nectar reservoirs. Inspection of floral tissue between two adjacent hoods reveals the presence of a dark ovoid structure above a long slender slit in the flower. A gentle tug on the ovoid clip will reveal the pollen sacs (i.e., pollinia from adjacent anthers). Normally the clip becomes attached to a bristle, leg, proboscis, or other appendage of an insect whereby two adjacent pollinia are removed as the insect flies away. Often small insects may be handcuffed by the clip and attached to the milkweed

flower, which results in the loss of the body part, or in the death, of the insect. Insects are also trapped because their legs are caught in the slit, or stigmatic groove or chamber, below the clip. In fact several journal articles from the late 19th century labeled milkweeds as “killer plants.”

For Bloodflower, each pollinium contains about 160 pollen grains that must be precisely inserted into the long slender slit (i.e., stigmatic chamber) on another milkweed flower. As pollination goes, this not a very efficient process since the insertion depends on the chance that an insect will drag a leg bearing a pollinium across the stigmatic opening such that the pollinium becomes caught and breaks off in the stigmatic chamber. Once insertion is accomplished, the pollinium is bathed in nectar that causes pollen grains to germinate forming pollen tubes, which then emerge from the pollinium. The pollen tubes grow downward through the stigmatic tissues in a race to carry the male gametes to the ovules waiting in one of the two ovaries. Thus, a single pollination event delivers sufficient numbers of pollen grains to result in full seed-set in one milkweed ovary. Just a few pollinations are needed to produce hundreds of viable seeds!

Several published reports regard butterflies as the pollinator of *Asclepias curassavica* in the Neotropics. Although I have little firsthand knowledge of the pollination biology of *A. curassavica* in the tropics, my own work on other North America milkweeds (*A. exaltata*, and *A. syriaca*) suggests that butterflies may be overrated as milkweed pollinators. The long legs of butterflies enable



Tropical Milkweed (Bloodflower), *Asclepias curassavica*.

Photo by Jim Lovett.

them to grasp flowers by the petals while nectar foraging on milkweed flowers. Thus, transfer of pollinia by attaching to the clip and subsequent deposition in stigmatic chambers is unlikely because butterflies rarely handle that region of the flower. At best, butterflies may have pollinia attached to their proboscis, a rather uncomfortable situation, and later slipped into the stigmatic chamber.

Who are the real pollinators of *Asclepias curassavica*? This is a question that many of you could help answer with your own hypotheses and observations. First you should address what characteristics make a good pollinator. Are the best pollinators the most faithful visitors of flowers? The most abundant visitors to flowers? The visitors most likely to remove and deposit pollinia? Or, are the best pollinators those with the greatest opportunity of positively affecting seed set? What pollination surprises await *A. curassavica*? Pollination biologists are constantly making new surprising observations. In fact, until four years ago many milkweed biologists, including myself, believed that members of the milkweed family were unlikely candidates for bird pollination.

Perhaps the most puzzling observations on *A. curassavica* have come from garden greenhouse plants I grew while attending graduate school at the

[continued on page 57]

FOREST CONSERVATION

Forest Conservation in the Monarch Reserves

by **Jordi Honey-Rosés**
Monarch Butterfly Conservation and Development Officer, WWF Mexico



Jordi Honey-Rosés. Photo by Chip Taylor.

Forest conservation in central Mexico's Monarch Butterfly Biosphere Reserve has been no easy task. The tremendous international and local concern for the Monarch butterfly has translated into various conservation strategies and schemes. By the late nineties it became clear that earlier attempts to protect the pine and oyamel forests of the overwintering Monarchs failed to halt the deforestation in the region. The first major attempt at protection came in 1980 when the Mexican federal government emitted a non-territorial protection of all Monarch colonies, regardless of their location. Not until 1986 were boundaries drawn around the five most well known Monarch sanctuaries and the first Monarch Reserve was created. However, this new Reserve was declared without consultation from the local landowners. Following the declaration of this new protected area some local inhabitants clear cut part of the Chivatí-Huacal mountain range in protest.

This experience showed how the declaration of protected areas needed to be accompanied by a participatory process with the local community members and landowners. When conservationists and

Monarch enthusiasts called for a revision and enlargement of the 1986 Reserve boundaries, the Mexican government decided to invite everyone to the table to negotiate the new Reserve in a participatory process. Monarch specialists, forestry experts, local organizations, international nongovernmental organizations (NGOs) and other interested parties were invited to the negotiations to help decide the new Reserve boundaries. Many community members objected to the loss of legal logging permits they had obtained through the Ministry of the Environment. Obtaining these permits is financially and administratively costly for communities, and many were relying on this income for the immediate future. A new Reserve would invalidate all logging permits in the core zone leaving the local people to bear the financial losses. At the same time many leaders also recognized the increasing water shortages in the region resulting from deforestation and admitted that logging was not likely to pull them out of their poor conditions.

The results of this process came in November 2000 when the Monarch Butterfly Biosphere Reserve was expanded from 16,110 hectares to 56,259 hectares with a new core zone of 13,551 hectares. A fundamental component of the new Reserve was the Monarch Butterfly Conservation Fund (MBCF), created by the World Wildlife Fund and the Mexican Fund for the Conservation of Nature with the generous five million dollar grant from the Dave and Lucile Packard Foundation. This fund serves as an endowment that pays communities for logging permits lost within the core zone. The fund also pays for conservation services performed by communities with land in the core zone. In this way, MBCF has become the first conservation scheme in Mexico that gives local communities an economic incentive for conservation in a protected area. It is also a plan that integrates the development needs of the

local people with conservation goals.

There are a total of 38 land units inside the core zone of the Reserve, of which 22 are communally owned in a tenure structure known as ejidos, 9 are also communally owned in a similar organizational structure called indigenous communities and 7 are private properties.

The first conservation payments corresponded to the last two months of the year 2000 and totaled to \$16,162 USD. The second payment for conservation services made in December 2001 totaled to \$91,513 USD. In the summer of 2002, World Wildlife Fund made the first payments for logging permits. A total of 6,340 cubic meters of wood has been saved from cutting this year. Paying at a rate of \$18 per cubic meter, these payments will sum to \$114,120 USD.

Over the next ten years, WWF expects that the Monarch Butterfly Conservation Fund will help protect 137,438 cubic meters of wood. However the Monarch Butterfly Conservation Fund currently does not pay the true market value for this timber which is estimated at \$36 per cubic meter. In order to pay the estimated market price, WWF must raise several more million dollars to increase the interest returns from the Monarch Butterfly Conservation Fund. World Wildlife Fund has begun a capital campaign among the United States, Canadian and Mexican governments as well as private foundations and individuals to increase the endowment of the Monarch Butterfly Conservation Fund. In the future, WWF would also like to use the fund to support sustainable development projects, law enforcement and monitoring of the Reserve, and perhaps a fund to convert agricultural land to forests.

For more information about World Wildlife Fund's efforts to protect the pine-fir forest of the Monarch Butterfly in Mexico, please visit www.wwf.org.mx or email jhoney@wwfmex.org. ■

OYAMEL FOREST DEGRADATION

Degradation of the Oyamel-Pine Forests in Michoacan

Those of us who have visited the monarch overwintering sites in Mexico over many years have seen an erosion of the forests near and within the Monarch Reserve. The stream of lumber trucks coming off the mountains in the dry (winter) season and the abundance of lumber mills in the area have been clear signs of the increasing encroachment on the forests. Although the forests within the Reserve are managed, with a certain degree of selective cutting allowed, whether these harvests could be sustained by natural regeneration and growth is in doubt. Indeed, if deforestation continues unchecked, the oyamel-pine forests that host the overwintering monarch population could become so degraded as to be unable to sustain this population, particularly during winter storms that can devastate the population. We live on a changing planet and most of us are aware of the rapid changes in land use in the areas surrounding our cities. Yet, even though change is apparent to some, others, particularly decision makers, are blind to it or consider it beneficial, irrespective of the secondary consequences. The problem for those of us who are interested in controlling change, or minimizing its secondary effects, is that we have to convince the doubters that change is underway and that the consequences are potentially negative. To make the case that change is occurring, particularly for the politicians and organizations that support conservation efforts, we need evidence (quantitative data) showing the impact of particular practices, such as deforestation, and the future impact on the area if these trends continue.

Fortunately, we now have quantitative data that defines the rate of deforestation. Lincoln Brower (Sweet Briar College), working with Guillermo Castilleja of the World Wildlife Fund

and a team of colleagues from the National University of Mexico (UNAM) recently published a quantitative analysis of the changes in forest cover from 1971 until 1999 (Brower, et al. 2002). The analysis is based on the careful study of aerial photographs of the forested areas in and adjacent to the Monarch Reserves. The baseline forest was considered to be one in which at least 80% of an area was covered by forests. (There are natural gaps in most forests and 80% cover was considered to be an intact forest in this study). The first question addressed was how much of this intact forest, as of 1971, had changed in the subsequent 28 years. The authors found that 44% of the forest with 80% cover had been degraded in this period. Further, the rate of deforestation for the general region had increased over the last 15 years to 2.41% per year. Surprisingly, the loss of forest was even higher for the areas protected by the presidential decree of 1986 - 3% per year - suggesting that this decree had not been as effective as hoped at protecting the monarch overwintering habitat. To verify and refine the interpretations from the aerial photographs, qualitative ground checks of the tree cover were made in both 1985 and 1999. This is a necessary part of these studies and lends support to the veracity of the data.

The original article contains color photographs, samples of aerial photographs that show both loss and recovery of forest cover, as well as three color maps showing the overall loss of forest in the study area. The locations of known wintering monarch colonies is shown on these maps and it is clear that forests in Chivatí-Huacal, which supported colonies in the past are gone (or nearly so) and that colonies at El Rosario are precariously close the edge of the forest.

Two aspects of deforestation, modifications of local and regional climates and watershed protection, are not dealt with in the paper due to its focus on the

specifics of change, yet these are important factors that have an impact, usually negative, on both the human and monarch populations.

This paper is valuable in many respects. It provides the quantitative data needed to establish the extent to which the forest has been degraded in the last 28 years. In the future, it will serve as a basis for measuring changes in land use and forest quality. And, it will be used as the basis for management decisions by conservation organizations, foresters, and governments. Hopefully, this paper will influence policy and land use in a way that will protect the forests, watersheds, soil quality, and the monarchs.

Brower, L. P., G. Castilleja, A. Peralta, J. Lopez-Garcia, L. Bojorquez-Tapia, S. Diaz, D. Melgarejo, and M. Missrie. 2002. Quantitative Changes in Forest Quality in a Principal Overwintering Area of the Monarch Butterfly in Mexico. 1971-1999. *Conserv. Biol.* 16:346-359.

"Tropical" continued from page 55

University of Georgia. I often observed that plants grown in isolation from pollinators were capable of producing fruits, even though pollinia were not removed from flowers nor were they inserted into stigmatic chambers. Close inspection of flowers revealed that the flowers overflowed with nectar and flooded the anther sacs where the pollinia rested. Pollen tubes were found emerging from pollinia that were bathed in nectar that oozed into the anther sacs. Could these pollen tubes find their way to ovules in the ovary to sire "self-seed"? We know from careful hand-pollinations that *A. curassavica* is self-compatible, an uncommon condition in milkweeds, but to document in situ self-pollination/self-fertilization in a milkweed would provide yet another pollination surprise. These and many other discoveries await the careful and keen observations of monarch/milkweed enthusiasts. ■

TRANSGENICS AND MONARCHS

by Chip Taylor

Each of the last three Season Summaries has contained an article on the potential impact of transgenic plants, particularly Bt corn, on monarchs. These articles can be found in the Season Summaries archived as PDF files to the web site: pp 48-49 (1998), pp 8-10 (1999), and pp 8-9 (2000). The controversy concerning Bt corn started with the publication (20 May 1999) of an article in the prestigious journal *Nature* with the title "Transgenic pollen harms monarch larvae" by John Losey, L. S. Rayor and M. E. Carter of Cornell University. In a laboratory study, Losey, et al. showed that monarch larvae that fed on leaves coated with Bt corn pollen soon ceased feeding and died. This study stirred the passions of many persons inclined to oppose the creation of genetically modified organisms (GMOs). It confirmed their suspicions of biotechnology and gave them an

issue and a forum to attack the underlying justifications for the development of these crops. The issue quickly became international in scope. Shortly after the monarch controversy started, contamination of the food supply (chips, tacos, and other corn flour products) in the United States by Starlink corn (another Bt variety but one not approved at the time for human consumption) kept the issue alive and focused attention on human health issues associated with GMOs.

As a consequence of these events, many countries refused to accept Bt corn and other transgenic crops, such as herbicide resistant soybeans, in international commerce. Zambia, which has experienced extreme drought and crops failures, recently refused to accept transgenic foods, mostly Bt corn, even though a sizeable portion of the population is facing starvation. The rationale for this decision was human health concerns and the protection of the

export potential for the countries' farmers, which will decline once the farmers begin planting Bt corn. This decision was reversed under the condition that the corn received from aid agencies be

ground into a meal or flour.

The 1999 Losey, et al. study was attacked by the biotechnology industry and university agronomists whose work is frequently supported by industry funds. Environmentalists lined up on the other side and it became clear that the monarch butterfly issue had to be dealt with. In short order, the industry, together with the United States Department of Agriculture and the Environmental Protection Agency, supported a series of studies to determine if the Losey, et al. laboratory findings applied to field conditions. Most of the main questions addressed by the teams of investigators were outlined in the 1999 Season Summary. In the 2000 Season Summary I hinted at the outcome of these studies but could not go into detail since the original research had not been published.

The results of two years of field and laboratory work by 25 investigators have been summarized in five papers published in the Proceedings of the National Academy of Science in November 2001. Briefly, these papers show: 1) Bt corn lines differ in the expression of the Bt toxin in the pollen. However, the quantities, and therefore toxicity to monarchs, are low; 2) pollen concentrations on milkweed leaves seldom attain concentrations high enough to kill monarch larvae, 3) there is limited overlap in the timing of corn pollen shed and the presence of monarch larvae, 4) exposure to pollen was limited by factors that removed pollen from leaves and the tendency for larvae to feed at the tops of plants where pollen concentrations were lower, and 5) the Bt corn variety known as event 176 had highly toxic pollen. This variety however, is being phased out of production.

The bottom line is that there is no evidence to suggest that Bt corn pollen has an impact on monarch butterfly populations. This is good news but, as I suggested last year, there are other concerns associated with GMOs.



*Common Milkweed, *Asclepias syriaca*, growing in crop fields.*

Photos by Chip Taylor.



Almost unnoticed in this controversy has been the rapid adoption of herbicide resistant (transgenic) corn and soybeans by farmers throughout the Midwest. These crops are extolled for their value in weed control. Growers can plant these crops and then apply herbicides (principally Roundup®) to control weeds without concern that the corn will be stunted or killed by the toxin. Cost of weed control is reduced but the potential downside for monarchs is the loss of milkweeds in these fields. One of the outcomes of the Bt corn study was the realization that 90% of the monarchs originate in the agricultural landscape (Taylor and Shields 2000). Further, the studies of habitat use by monarchs showed that although milkweed densities were low in row crops such as corn and soybeans, survival of monarchs in these habitats appeared to be higher than in non-crop areas. Thus, the milkweeds in corn and soybeans are important and their loss due to the adoption of herbicide resistant corn and soybeans could have an impact on the size of the monarch population. Studies of the distribution and abundance of milkweed in GMO and non-GMO crops lands are still needed.

The GMO technologies are here to stay and so are the controversies. The negative consequences associated with these crop varieties are potentially significant and it is unclear whether such effects can be anticipated or controlled.

Notes:

New technologies are routinely hyped to assure their adoption and this applies to GMOs whose benefits were unchallenged initially. For an economic analysis of the costs and benefits of transgenic (Bt and herbicide resistant) and non-transgenic lines of corn and soybeans visit the Leopold Center for Sustainable Agriculture at www.ag.iastate.edu/centers/leopold/pubinfo/papersspeeches/biotech.html. Although the study pertains to Iowa, a glance at web sites that record yields of test plots of corn and soybeans from a number of states show a similar pattern - namely that there is little or no difference in the yields of transgenic and non-transgenic crops. The higher costs of the transgenics are not offset by higher yields and lower inputs of pesticides.

An excellent summary of the history of the Bt controversy and the subsequent attempts to determine the impact of Bt corn pollen on monarchs under field conditions can be found at www.pewagbiotech.org/.

References to Zambia and the attitudes in Africa toward GMOs can be found online at the following sites: news.bbc.co.uk/1/hi/world/africa/2199189.stm and www.corpwatch.org/news/PND.jsp?articleid=3248.

An article describing rapid genetic pollution in Mexico of native corn varieties by illegally introduced GMOs can be found at: www.corpwatch.org/issues/PID.jsp?articleid=2088

Reference

Taylor, O.R. and J. Shields. 2000. The summer breeding habitat of monarch butterflies in eastern North America. Unpublished report prepared for the Environmental Protection Agency.

Rubber from Milkweed Leaves

Most milkweeds exude a milky sap when damaged, hence the common name for this group of plants. This sap is also referred to as latex and it becomes sticky and rubbery as it begins to dry. In fact, this milky sap is real latex, a natural rubber. The history of natural rubber is fascinating and involves, international intrigue, stolen seeds, rubber barons in Brazil, and a spectacular opera house in Manaus on the Amazon. In addition, when the tropical supplies of this essential product were limited during WWI and WWII our government funded research on natural and synthetic replacements for natural rubber. Thomas Edison was one of the first to attempt to extract rubber from native plants, one of these being the common milkweed *Asclepias syriaca*, which contains about 3% rubber. Synthetic sources of rubber were eventually developed from petroleum products but oil shortages in the 1970s gave rise to additional searches for natural sources of rubber in North America. This even led to a proposal to grow Russian dandelions in over 40 states as a source of natural latex.

Extraction of rubber is not difficult and is something students can do in a chemistry lab in high school or college. Directions for how to process the leaves and extract and quantify the percent of rubber are summarized in a recent paper by Lisa Volaric and John Hagen (2002). Students learn how to use laboratory equipment, learn a number of techniques and the basics of natural products chemistry. The article says nothing about tapping milkweed plants for their latex but my guess is that sufficient latex could be tapped and collected from milkweed plants to produce a natural rubber that exhibits elastic properties.

The history, geography, and politics of natural rubber are fascinating topics for individual and group research by students. There are many books on natural rubber as well as a number of useful web sites.

Reference

Volaric, L., and J. Hagen. 2002. The isolation of rubber from milkweed leaves: An introductory organic chemistry lab. *Jour. Chem. Ed.* 79:91-93.

You can read the abstract of this paper online at <http://jchemed.chem.wisc.edu/Journal/Issues/2002/Jan/abs91.html>; however, online access to the paper is available to JCE subscribers only.

Thanks to Don Davis
for bringing this article to our attention.

ADOPT-A-CLASSROOM UPDATE

¡Muchas Gracias, Monarch Watchers!

Thanks to the support of many contributors and the donations from numerous schools, the Monarch Watch crew made another trip (1–15 January 2002) to Mexico on behalf of the Adopt-a-Classroom Program. The goal of this program is to provide resources for the rural schools in the vicinity of the overwintering monarch colonies. Our objective is to facilitate education, particularly in science and math, by providing teachers and schools with appropriate materials. Our hope is that the children, future landholders of the Monarch Reserve, will develop a better understanding of the value of monarchs and will ultimately aid in their conservation. To learn more about this program, see the flyer included with this report or visit our website at

www.MonarchWatch.org



Visits to the Schools

Delivering textbooks and supplies to twenty-seven rural schools in five days is not an easy task. Many of the schools are on narrow dirt roads in the mountains making travel slow. The schools we support are near or within the Monarch Reserve area. Though we do distribute supplies to some schools in more populated areas of Ocampo and Angangueo, our focus is primarily on smaller, rural schools because these schools encounter greater difficulty in acquiring the necessary classroom supplies and textbooks.

Each evening, we loaded the van with supplies for the five to six schools we planned on visiting the following day. Because most of the schools are only open until 2pm, the amount of time we spent at each school had to be kept relatively short. Once we arrived at a school, we met with the teachers or the director to explain that the materials are donations from schools and individuals in the United States. Enthusiastic students crowded around the van to receive supplies and books to take into their school. Students were often competitive and would make it a contest to see who could carry more supplies. This year the most popular item we delivered turned out to be beautifully illustrated storybooks for grades 3-5. At several schools students voluntarily picked up these books and read aloud to others and in a few cases we sat down with the students to read along with them. At each school we presented a laminated poster with color pictures taken at the school the previous year. These pictures always attracted a crowd as well as many excited comments and giggles as students recognized themselves or their friends in



the pictures. We hope to do the same next year with some of the many photos we took on this trip.

One of the delights of this trip was meeting Dave Kust and his family (see “Migrating with the Monarchs” on page 14) in Angangueo. Dave was of great assistance to us, and he helped deliver materials to a number of schools. Dave is also helping us by buying tags at the overwintering sites.

What’s next for Adopt-a-Classroom?

We are always seeking ways to maximize our impact, but our effectiveness is largely driven by the donations since we don’t have the resources to buy materials for the schools. This year we were pleased to receive and deliver over 400 Spanish language math workbooks to the 30 kindergardens in the municipality of Ocampo. These schools have over 300 students but no textbooks with which to introduce students to numbers, counting, colors, letters and words. It was rewarding to see how well these materials were received by the teachers. We will be looking for similar resources in the future. ■

Left: Janis and Cathy sort stacks and stacks of donated spanish language textbooks. Photo by Chip Taylor.

Above: Chip receives a letter of thanks from Juan Mendoza Díaz, the principal of Francisco I. Madero. Photo by Jim Lovett.

MONARCH CRUSADERS

We are pleased once again to recognize the enthusiasm, dedication, and commitment young Monarch Watchers show by educating others and promoting butterfly gardening and monarch conservation.

• • • • •

We suspected **Lakotah Farrell** was a monarch fanatic when his mother called to order every book, poster, and video we had to offer for him. Lakotah first became interested in monarchs by raising them as part of his mother's preschool. He became so hooked that he started raising them at home. Lakotah, now eleven, is not only raising monarchs, he is teaching monarch biology to others.



Lakotah recruited his Cub Scouts to help by tagging monarchs. He presented the process of tagging, distinguishing males from females, and recording data, etc. at his meetings. His hard work earned him his conservation badge.

Last year, Lakotah was invited by the first grade at Great Salt Bay School (the school he attends) to talk about monarchs. Full of questions and excitement, the class decided to reserve Lakotah for

next year as well. Even teachers who taught monarchs for years claimed to have learned from these presentations.

One of the highlights for Lakotah "is being at Pemaquid Point, Maine where they [monarchs] are gathering. At night they are dripping from the spruce trees. At first they blend in so well you don't see them, but then you realize that the branch you are looking at is alive with orange and black butterflies".

Recently, Lakotah was one of 42 students selected to be a Dwight D. Eisenhower "People to People Student Ambassador". He will visit Australia and New Zealand where he will get to see the Ulysses swallowtail butterfly. He writes, "I can't wait because I think I'd really like to be an entomologist someday". Lakotah belongs to the Young Entomologist Society and the Maine Entomologist Society. Congratulations on your success, Lakotah and keep up the good work!

• • • • •

When I read the description of a "Monarch Crusader" in the your Monarch Watch Update, I immediately thought of my 12 year old daughter, **Mattie [Ernst]**.

Mattie was first introduced to monarchs a few years ago by one of her teachers. Since then, she's been crazy about butterflies. Every summer she and her brother Patrick collect dozens of eggs and larvae. They name each one, measure them daily, and sometimes graph their growth. She takes them to school to show her sixth grade classmates, and shares eggs and larvae with her friends, so they can witness the transformation themselves.

She helped tag monarchs at a nearby nature center until one of the naturalists suggested that it might be fun to order her own tags. So, for the past three years she's been doing her own tagging, and last year, two of her monarchs were recovered in Mexico!

When we expanded our perennial



garden, she insisted on turning it into a butterfly garden. Because of Mattie's passion, we've all gained a deeper appreciation for butterflies. And in the summer, our screen porch is always full of them.

Mattie writes, "I tag monarchs in the fall. During fall 2000, the monarchs decided that they wanted to roost in my uncle's trees. So every night, we would go over and tag them until we ran out of tags. We tagged exactly 175 monarchs! Some day I'd like to go to Mexico in the winter so I can see the roosting monarchs."

• • • • •

This will be the fourth year my eleven year old daughter **Linda [Brown]** will be tagging monarchs. She became interested in monarchs when her day care counselor brought in a tank containing caterpillars for the kids to watch and tag when the butterflies were ready. That same year she talked me into taking her to Audubon State Park in Henderson, Kentucky. There, she purchased her first tagging membership kit. Between Audubon Park and around our farm she tagged 22 monarchs.

The following year I bought her a butterfly garden kit. I gave up part of my vegetable garden so she could use it for butterflies. In late summer, she col-

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TRISTAN'S BUTTERFLY RANGERS

In the spring of 2001, we contacted Mary Hoffmann, of DeLand, FL, for our "Featured Teacher" section of the Season Summary. We got a much bigger story than we were expecting, so we decided to write a feature on the entire class.

Tristan's Butterfly Rangers (see photo below) is a group of students that care for a butterfly garden at their middle school. They also teach other students and community members about butterflies and butterfly gardening. However, this is no ordinary group of butterfly enthusiasts. During the summer of 2000, one of their classmates, Tristan Williams, passed away as a result of his muscular dystrophy; he was just 13 years old. That fall, his classmates began rearing a monarch caterpillar on a plant their teacher, Mary Hoffmann, had purchased from the high school. When the caterpillar emerged as a butterfly, and was subsequently released, it reminded the students of Tristan - they felt it was Tristan's spirit saying hello. The class found themselves hooked on butterflies and soon chrysalis could be found all over the classroom. Not only

were they learning about science, they were dealing with their grief, too. As a result, the idea of a butterfly garden blossomed. The students designed the garden themselves and worked on raising the money for it, too. Some of the materials were donated by Home Depot and community members helped with some of the building. However, the students did nearly all of the work. When it was finished, they had two butterfly-shaped gardens with a screenhouse for raising caterpillars between the two. One garden was designed specifically with monarchs in mind and the other was designed for swallowtail butterflies. During the dedication ceremony on May 1st, 2001, the monarch garden was dedicated to Tristan and the swallowtail garden was dedicated to his mother, Gloria Stringer. Since then, a small plaque has been added in memory of Tristan's brother, Jason, who also passed away as a result of muscular dystrophy.

The story of Tristan's Rangers doesn't end here. His special needs classmates have shown amazing growth as a result of their involvement in the garden. Their transformation began when they were building the garden. Students and

faculty would stop to ask questions about the garden, and Tristan's classmates were able to share their knowledge. This made them realize that they were a part of something special and it gave them a desire to share this knowledge with even more people. Soon, they were making presentations to local community groups, like the Rotary Club and retirements homes, as well as to their fellow students. These talks have given them confidence in their abilities and have shown their fellow students that special needs students have something valuable to contribute, too. In the fall of 2001, Tristan's Rangers developed a "reverse inclusion" program. Rather than including the Rangers in classrooms, students come to learn about butterflies in the Rangers' classroom. During the three-week program the students learn about caterpillar care while rearing a monarch from an egg to adult butterfly. After their butterflies emerge, they learn about tagging and the migration. The students also learn about native butterflies, larval and nectar plants, how to grow plants from seeds and cuttings, butterfly gardening, and even about careers involving butterflies!



Photo by Mary Hoffmann.

The Rangers have also developed a pre-test and post-test to determine how much the students have learned during their time with the Rangers.

The butterfly garden has helped the students academically, too. Several of the students wrote about the garden in a Florida writing assessment test and received high marks. One of the students received the school's highest score. One student in particular has been recognized for his improvement since he began working on the garden. Drew Humston was a non-communicative autistic student when the project began. As a result of the group presentations and his involvement with the garden process, he has become an outspoken authority on butterflies. A child that once hid under his desk when a stranger approached is now leading presentations to share his knowledge with

children and adults. In 2002, he was one of three Volusia County students who received a Disney Dreamers & Doers Award (*The Report CARD* Vol 5, Issue 3). Congratulations Drew!

While the butterfly garden is a permanent fixture at DeLand Middle School, Tristan's Rangers still work to raise money to maintain it. They sell caterpillars, chrysalis, milkweed plants, and ornaments. They have even worked at Fazoli's to earn money for the garden. Their fundraising has been such a success that they have been able to donate money to other causes. They've sent money to aid children in Afghanistan, to the Alliance for Reforestation in Nicaragua, and to Monarch Watch's Adopt-a-Classroom program. They have written a book, *Tristan's Butterfly Rangers Present Butterfly Gardening in West Volusia*, which is due out in April 2003.

Next, they plan to write a book dealing with grief, especially in the loss of a classmate.

Lastly, Tristan's Butterfly Rangers stretched their acting wings via PAX TV. During the summer of 2002, the PAX network filmed a special on the Rangers for their show, *It's a Miracle*. It seems that one of the monarch butterflies released during the dedication landed on Gloria Stringer's head and stayed there for the duration of the ceremony. This prompted some of Tristan's classmates to comment that it was Tristan showing how happy he was about the garden. The story touched the show's producers and it was included in the 2002-2003 season.

Tristan has been gone for just over two years now, but his spirit lives on in the legacy his classmates have created. It's amazing what a difference that one little caterpillar has made. ■

["Crusaders" continued from page 61]

lected caterpillars around our farm to raise and tag. She attended Audubon Park's field trip and made a poster to help explain to her fourth grade class about identifying, raising, tagging, and the migration of monarchs. That year she tagged 124 monarchs.

Last year her butterfly garden got bigger. She collected caterpillars from the local area, helped the naturalist at Audubon Park tag monarchs caught by volunteer netters, gave a speech to her

class and tagged the butterflies raised at her school. All together she tagged 196 last year.

This year she talked me into converting three acres of hay field into a butterfly feeding ground, plus her normal butterfly garden. She is planning on helping the naturalist at Audubon Park and her school tag again, along with collecting and raising caterpillars.

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Jillian Gall and Gina Rutherford have been part of the Sewaren Library Butterfly Club in Sewaren, New Jersey since its inception three years ago. Discussions through the club include butterflies, moths, other insects, butterfly gardens, which includes nectar producing flowers and host plants, tagging of monarchs, and



other related subjects. The garden is complete and attracts many species of butterflies and moths.

Part of their involvement in the club includes raising monarchs and eastern black swallowtails. Both students are very active gardeners at school and at home. Together, they plant a variety of butterfly host plants. Jillian and Gina have both have a passion for sharing their knowledge of butterflies with others. They have presented butterflies to their classmates, families, friends and neighbors since the fourth grade. Both find gratification in creating a protected habitat for these creatures to be able to witness their spectacular life cycle. ■

CHALLENGES TO STUDENTS

Although relatively few students receive this journal, it is my hope that the teachers, mentors, and parents among you will direct students to these pages and to those Challenges in the previous Season Summaries (archived on our web site). The ideas in the Challenges could serve as starting points for student research projects and have the potential to take students into areas of self-instruction and self-discovery. Many people are afraid to do research because they don't know how to start. Actually, this isn't a good excuse. There is no script for original science; you have to formulate your own hypotheses, tests, and interpretations and just do it. The biggest barrier for many students is learning how to deal with failure. Too many take failure personally. They have been taught to succeed and not to fail. In science, failure is your friend and instructor. It tells you where you are wrong and challenges you to learn and adapt your methods and tests to more effectively answer the questions. Most scientists aren't brilliant, but they are persistent and not easily discouraged.

Pollination of Milkweeds

Part 1

Scientific questions start with observations and on page 55 Dr. Steve Broyles gives an example of an observation that can lead to a number of investigations. In the greenhouse, Dr Broyles "observed that plants grown in isolation from pollinators were capable of producing fruits even though no pollinia were removed from flowers nor inserted into stigmatic chambers. Close inspection of flowers revealed that the flowers overflowed with nectar and flooded the anther sacs where the pollinia rested. Pollen tubes were found emerging from pollinia that were bathed in nectar that oozed into the anther sacs."

Hand pollinations have shown that *A. currasavica* is self-compatible. This is not the rule in milkweeds since most require

pollen (pollinia) from other plants and are considered obligate outcrossers.

Sometimes observations are misleading or they may not be correct at all. In this case, it would be useful for a student to repeat the original conditions to see if the observations can be duplicated. Since few students have greenhouses available to them, they will need to make their own - in the form of pollination bags. These bags are placed over the flower umbels before the first flower opens. The bags should be made of light-weight material, a dacron window curtain will work well, that will allow light and air to pass through. The bags should be tied around the flower head in a manner that will exclude all insects. Once the last floret on the flower umbel has bloomed, the bag can be removed. If the plant has "set fruit" (as indicated by swollen ovaries which will become seed-pods), it has self-pollinated and is self-compatible. All bagged flowers, with a minimum number of 10, should be compared for fruit set with the unbagged flowers as a control. If the bagged flowers do not set fruit, it does not mean that the original observation was wrong, but it does tell you that the conditions were not sufficient to duplicate the original situation. It could be, for example, that there wasn't enough nectar. If no fruits were obtained, the next step to test for self-compatibility is described in Part 2. In addition to testing *A. currasavica*, students might try *A. incarnata* (swamp milkweed), *A. tuberosa* (butterfly weed), *A. viridis* (spider milkweed), and *A. syriaca* (common milkweed). The results are likely to be different for each of these species.

Part 2

If the bagged flowers in part 1 did not produce fruits, it might or might not mean they are self-incompatible. The next test involves hand pollination. Again, select flowers that are about to open and bag them with pollination bags until you are ready to hand polli-

nate. Hand pollination of milkweeds is not too difficult, all you need is knowledge of the floral structure, good eyes (perhaps aided by a magnifying glass), and fine forceps. The pollinia can be removed from the flower by grasping the clip, or tab, ("corpusculum" to some authors) at the top or core of the flower between the hoods with the forceps (see page 57 of the 1999 Season Summary for an SEM image of an entire pollinarium). There are five pollinia on each floret. The forceps with the pollinia from the same plant are then placed in the stigmatic groove just below the position of the clip. After these manipulations, each of the flowers is rebagged. Once the pollinia are in the stigmatic chamber, the tissues surrounding the pollen break down and pollen tubes grow down to the ovary fertilizing the plant. If the species is self-incompatible, there will be mechanisms that will inhibit pollen tube growth or fertilization. If the species is strongly self-incompatible, few (if any) fruit will develop. Again, controls that involve outcrossing, (i.e., hand pollinating with pollen from other plants) should be used to establish that the plants can set fruit and that the technique is not faulty.

Part 3

Are milkweeds pollinated at night or in the daytime? Probably the daytime, right? But, there might be some nighttime pollination. How could we find out? Get out your pollination bags again. This time, bag the unopened flowers and wait until many are open or "in bloom". Remove the bags at the end of the day when all insect activity has ceased. The next morning get up early and cut all the flower heads before insect activity begins. Place the flower heads in a plastic bag in the refrigerator until you are ready for the next step. How could you tell if the flowers had been visited during the night by potential pollinators? If pollinators visited the flowers, it is likely that their legs slipped

down beneath the clips of the pollinariums, which then became attached to the insect and were removed from the plant. All that needs to be done to assess potential nighttime pollination is to count the number of clips (5/floret) removed from all of the open florets on the umbel. With some practice, this can be done with the unaided eye; however, magnifying glasses or dissecting scopes would certainly facilitate the counting. If nighttime pollinator visits have occurred, the next step is to determine the identity of these pollinators. Variations on this procedure could be used in the daytime to assess the effectiveness of different pollinators, e.g., bumblebees vs. paper wasps or butterflies.

How Many Types of Scales?

Monarchs are covered with scales. Scales are thought to be modified setae (hair-like projections) that originate from single cells on the surface of the cuticle. Scales are thought to have many functions; they aid in shedding water, add buoyancy in flight, and contain the pigments that make up the patterns on the wings and body. The pigments and patterns can have roles in species recognition, communication to other species, and thermoregulation. Scales are an amazing adaptation. But, how many kinds are there and do the different types of scales have unique functions? If you look at the dorsal side of the thorax of a monarch you will see long black "hairs" - these are actually scales. Why are they located in this position? Also, why is this the only location on the butterfly where these scales are found - or is it? Are all the scales on the wing the same and do they differ from those on the body, legs or around the mouthparts? Are there differences in either the kinds of scales or distribution of scales between males and females? Once we answer these questions, we can then proceed with the functional questions and can ask what each type of scale does. How should we go about this? Here is what I would do. First I'd locate

two dead monarchs, preferably a male and a female. They don't have to be in perfect condition. Both should be examined closely, noting anything that can be seen with the aid of a magnifying glass or a dissecting scope. Next, the wings, legs and head should be removed and set aside so each can be examined in turn. Starting with the wings, apply "clear tape" (do not use the mending tape from 3M™) to small portions of the wings so the tape picks up the scales. Apply the tape sticky side down to a slide and examine under a dissecting scope. Describe all the scale types you find. The tape technique is simple; just strip off about two inches from the roll and wrap it around your fingertip with the sticky side out. Then just touch the specimen with your fingertip to pick up the scales. Once you have looked at the scales on the wings, proceed with the other parts of the body. The objective is to determine how many types of scales are found on monarchs and where they are distributed. There are at least three types of scales and possibly many more. We won't know until someone conducts a systematic study. One possible way of determining the number of scale types is to take digital images, which can be placed in PowerPoint® or other software and projected on a large screen.

How Do They Grow - Are There Rules?

Monarchs are said to increase in mass about 3,000 times in the course of their development. I've never questioned this and I haven't weighed eggs but I have weighed mature 5th instar larvae after they stopped feeding. These weigh 1.5 to 2.0 grams. If 1/3000 is correct, then eggs should weigh .0005 to .0007 grams. Whatever the relationship, this is a very impressive change in mass, one that can occur in just 10-15 days of larval growth. But, how do they grow? Is there a pattern to the growth, a set of ratios of changes in length and mass that are predictable? Entomologists have puzzled over this question and have found two patterns, Dyar's Law and Przibram's Rule, which come close to describing the

progressive changes from one stage to another. Dyar's Law states that the linear dimensions of an insect increase geometrically from one instar to the next. In other words, there is a specific rate of change from one instar to the next. This is usually applied the widths of head capsules. To determine how this applies to monarchs, all one would have to do is collect and measure the widths of five or more head capsules at the end of each instar. This can be easily accomplished by rearing monarchs in clear plastic containers. After each molt the head capsules can be collected with the wet tip of a fine brush and placed in a vial. The measurements should be done under a scope with an ocular micrometer, a device that allows one to measure the relative size of objects in view under the scope.

Przibram's Rule states that the mass of an insect doubles during each stage and that the linear dimension increase by a factor of 1.26. This should be easy to test - if a scale is available that measures to one thousandth of a gram. In this case, a number of caterpillars would have to be reared in separate containers that are numbered or otherwise identified. The caterpillars must be closely observed and weighed and measured just after they have completed a molt or in the case of the first instar just after hatching from the egg. Do the masses double with each instar and does the length increase by a factor of 1.26 for each stage? I'm not sure whether either of these patterns applies to monarchs. Perhaps they don't. It is the actual pattern that is of interest. Is there a constant rate of change or does the rate of change increase as the caterpillar grows?

Note

We subsequently weighed eggs and obtained a mean of .0004 grams. If this is representative, then a larva weighing 1.5 to 2.0 grams would have increased in mass by 3,750 to 5,000 times, not 3,000 times as is usually cited. ■

MONARCH WATCH ONLINE

Monarch Watch Email Update List

In June of 2001, we initiated a new project: a monthly email update list. We reasoned that there were a large number of people interested in monarchs who were not being served by our e-mail discussion lists, Dplex-L, and MonEd, and who would not necessarily visit the web site each month for new information. The idea was to provide information about monarchs and activities at Monarch Watch on a monthly basis. We weren't sure whether this venture would succeed, but it has taken off. We started with a modest number of subscribers, but the number has grown steadily and we now reach more than 7,500 people each month. The updates contain an average of over 1,000 words of new text on monarchs. A standard feature of each update is a section on the "Status of the Population," in which I summarize what I have learned about the condition of the population since the previous update. In addition, I try to write up a paragraph or two on the biology of monarchs, preferably something not well covered on the web site. I also deal with seasonal biology of monarchs and topics, such as bird predation, that appear on Dplex-L. From time to time I will draw attention to news about monarchs and coverage of monarchs in the news media. If you have a topic you would like me to consider for the update, please email your suggestion to me at chip@ku.edu. Each of the updates is archived to the web site at www.monarchwatch.org/update. If you would like to join the email update list please visit the web site and follow the sign up instructions.

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Amazon.com Portal

Do you shop at Amazon.com? If so, you can designate that a small percentage of your purchase amount go to

Monarch Watch. Doing this does not affect your purchase price in any way as the 5% "commission" is paid by Amazon.com after your transaction is complete.

Complete details about how your Amazon.com purchases can help support Monarch Watch are available at www.MonarchWatch.org/amazon

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Gulliver's Gift Shop

Stock up on all of your Monarch Watch gear and choose from tons of other nature-related items at Gulliver's Gift Shop.

You can read more about our online storefront on page 51 or stop by online (we're open 24 hours a day ;-) at Shop.MonarchWatch.org

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MonEd

MonEd (**Monarch Education**) is the name of our electronic mailing list for teachers, students, and educators. We have created MonEd as an alternative to Dplex-L, our long-term email discussion list, which is open to scientists, teachers and the general public. All lists evolve and we felt that Dplex-L was no longer meeting the needs of many of the teachers and educators who are interested in monarchs. MonEd is intended to facilitate discussions among teachers, students, and educators on the biology of monarchs and how to use monarchs in the classroom and for scientific study. Our intent is to provide a forum in which those interested in monarchs can

communicate with each other. To participate in this list you must have an affiliation with a school, or educational institution, such as a museum or nature center. Home-schoolers are welcome. Chip Taylor, Director of Monarch Watch, and the Monarch Watch staff will moderate the list. A few scientists will be invited to join the list to help answer questions.

Subscribers to the list are urged to report, first monarchs seen in the spring and first eggs on milkweed plants, to provide observations of breeding populations during the summer months, and to report their observations of the fall migration. This information is being used by scientists to build a database on the dynamics of the monarch population and the migration. Participants might also contribute useful tips and tricks on the use of monarchs in classrooms, rearing monarchs, milkweeds, and butterfly gardening. Monarch Watch will occasionally post announcements of festivals, meetings, and conservation efforts, etc to MonEd. By following reports on the list, newcomers can track the migration and learn more about monarchs.

If you wish to subscribe to both lists, you may do so. However, to join MonEd you must be an educator or student as defined above.

To join MonEd, send an e-mail containing your e-mail address, educational affiliation, and "Add MonEd" in the subject field to monarch@ku.edu.

To receive more information about Dplex-L, send an e-mail message with "Info Dplex-L" in the subject to Listproc@ku.edu. ■

Surfing the web? Be sure to stop by these sites to see what's new:

Monarch Watch
www.MonarchWatch.org

Journey North
www.learner.org/jnorth

Tactics and Vectors
www.TacticsAndVectors.org

Gulliver's Gift Shop
Shop.MonarchWatch.org

Monarchs in the Classroom
www.MonarchLab.umn.edu

Monarch Monitoring Project
www.concord.org/~dick/mon.html

North from Florida?

Is Florida a “sink” for monarchs? That is, is it a region reached by fall monarchs but from which neither they nor their offspring return north? We have been interested in this question for some time and have encouraged Monarch Watchers in Florida to tag spring monarchs in the hope that the recoveries would tell us whether monarchs move north from Florida in the spring. Richard Rubino and his colleagues are involved in three tagging programs in Florida: the fall tagging project at St Marks National Wildlife Refuge, the Eden Fields Monarch Project, a milkweed habitat restoration and monarch rearing and tagging project 5 miles north of Tallahassee; and a spring tagging project in peninsular Florida. In the summer of 2001, one of their spring tagged monarchs from the Eden Fields Monarch Project was recovered. On the 18th of May 2001, Robin Whitfield tagged a male monarch (238QX) at Eden Fields. The tag was reported to us on the 30th of July 2001 by James Rogers of Amelia, VA (SW of Richmond). It would appear that this butterfly flew north from the Florida panhandle along the coastal plain, a distance of 597 miles. But, was this a butterfly that originated from a line of monarchs that reached Florida in the fall or was it the offspring of a monarch that arrived earlier in the spring from Mexico? Unfortunately, it's impossible to distinguish between these alternatives. The monarch in question was reared from eggs that were found on milkweeds at the Eden Monarch Fields beginning April 13th and continuing for several days. The area had been monitored for monarch activity since the end of March and these were the first eggs of the season. Monarchs from Mexico usually begin to arrive in the panhandle of Florida in the last week of March, with arrivals continuing into early April. This monarch could have easily been the offspring of a monarch that overwintered in Mexico. However, it might also have originated from a monarch that overwintered in the region. This is an interesting record and even though we can't be sure of the parentage, it does establish that monarchs move north from Florida in May. Whether they move north from the peninsula of Florida is yet to be established.



Tag Recovery Fund

The January storm last winter not only killed an unprecedented number of monarchs, it created a crisis for Monarch Watch. As most of you know, tag recoveries at the overwintering sites were relatively low until we began to offer the guides and local residents that live in and near the sanctuaries a reward of 50 pesos (~\$5 US) for each tag they recovered. Fifty pesos is about half a day's wage for many in the area and we determined from interviews that many people searched 2-4 hours for each tag recovered. It seemed like a fair exchange for the effort and we needed the data. Also, there was no evidence that the butterflies were being disturbed to recover the tags. The recovery rate soared under this plan and tag recoveries were in the hundreds each year. As a result, we planned to pay for the recovery of a few hundred tags each year with the help of the Tag Recovery Fund and some of our operating funds from the sale of educational items. All was well until the storm. Initially, we budgeted about \$1200 for the anticipated recovery of 215 tags. Following the storm, we knew that there were literally 10s of thousands of dead tagged monarchs on the forest floor beneath the colonies accessible to anyone who had the patience to sift through 10-20 thousand dead butterflies for each tag; many people did. The tags started to arrive in bunches, many from children who spent hours searching in the colonies. We knew we had to raise money fast to fulfill our obligation to buy all the recovered tags and we appealed to our members and those subscribed to Dplex-L and the Email Update list.

We would like to thank all of you who so generously contributed to the Tag Recovery Fund. With your help, we purchased over \$12,000 in tags, including tags from previous seasons and some counterfeit tags. (The tags used in 2002 utilize an anti-counterfeit technology). The \$12,000 can be looked upon as a contribution to the local community, one that goes directly to those that need it most - the guides and local residents.

Although we received many contributions we would especially like to acknowledge the substantial contributions of the following individuals and organizations:

Austria Printing, Back to the Wild, Lincoln Brower, Donn Byrne, Charles C. Cameron, Claudia Clark, Rondal P. Dreese, David Gibo, Jacalyn L. Goetz, Elizabeth Kundin, Fran Ludwig, Merrill Creek Reservoir, Ray Newell, Leslie Noble, John Obyricki, Colin Phipps, Elizabeth A. Schultz, Paul Sutherland, Gayle Steffy, Paul Viger, and Jerry Wiedmann.



Millions of monarchs take to the sky above the overwintering sites in Mexico on a sunny day in March, 2002. Photo by Chip Taylor.

HOW TO REACH MONARCH WATCH

There are several ways to reach us and access additional information:

Snail Mail: Monarch Watch • University of Kansas • Entomology Program • 1200 Sunnyside Avenue • Lawrence, KS 66045

Email: monarch@ku.edu

Online: www.MonarchWatch.org

Fax: 1-785-864-5321

Telephone: 1-785-864-4441

Toll-Free: 1-888-TAGGING (within the U.S. only)

Dplex-L Email Discussion List: visit www.MonarchWatch.org/dplex

MonEd Email Discussion List: visit www.MonarchWatch.org/moned

Monarch Watch Email Update List: visit www.MonarchWatch.org/update



ORDERING INFORMATION

ONLINE ORDERING (AND/OR BROWSING OF THE FULL "CATALOG") AT GULLIVER'S GIFT SHOP MAY BE DONE AT:

SHOP.MONARCHWATCH.ORG

YOU CAN ALSO REACH THIS "SHOP" VIA OUR WEBSITE AT WWW.MONARCHWATCH.ORG.

OFFLINE ORDERS (AND/OR QUESTIONS) MAY BE MAILED, PHONED, OR FAXED TO:

MONARCHWATCH@HOMEARTH.COM
3515 SILVERSIDE ROAD, SUITE 203
WILMINGTON, DE 19810

TOLL-FREE PHONE - (800) 780-9986

TOLL-FREE FAX - (877) 687-4878



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