



THE INDIAN BLANKET

NEWSLETTER OF THE OKLAHOMA NATIVE PLANT
SOCIETY*

THE PURPOSE OF THE ONPS IS TO ENCOURAGE THE STUDY, PROTECTION, APPRECIATION AND USE OF OKLAHOMA NATIVE PLANTS.

LOOK IN HERE FOR	
PRESIDENT'S PONDERERS	2
GARDEN'IN STUFF	3
CONSERVIN' WHAT'S LEFT	4
BOTANY MATTERS	5
GOSSIP	6
OUTIN'S	7
ANNUAL MEETING	8
NORTHEAST NEWS	9
CENTRAL CHATTER	10
WHO'S NEW	11

LOOSE STUFF
ANNUAL MEETIN' SIGN-UP
PHOTO CONTEST ENTRY
FORM

VOLUME 12 NUMBER 3
AUTUMN 1997
SURE WE USE RECYCLED:
WE LOVE OUR TREES!

STUFF FOR NEXT ISSUE
DUE IN BY 15 NOVEMBER

WHAT WE'VE GOT PLANNED

NOW, READ UP, 'CAUSE THERE'S LOTS OF GOOD STUFF GOING ON, AND YOU WON'T WANT TO MISS ANY OF IT!

- SEPT. 13 SATURDAY, 9A.M. NE CHAPTER FIELD TRIP TO MOHAWK PARK. SEE PAGE 9
- SEPT. 19-21 OKLAHOMA ACADEMY OF SCIENCE, FALL FIELD MEETING AT CANYON CAMP; CONTACT DR. BRYON CLARK AT SEOSU, DURANT / OR PHONE (405)924-0121, EXT. 210
- SEPT. 29: CENTRAL CHAPTER'S EVENING MEETING AT 7:30 P.M. SEE PAGE 10
- OCT. 7 ORNAMENTAL & NATIVE GRASS SEMINAR AT OSU-OKC HORT. CENTER. FOR DETAILS, CALL CARROLL EMBERTON AT (405)942-5276 OR E-MAIL OHIC@IONET.NET.
- OCT. 24-26: ANNUAL MEETING AT ROMAN NOSE ST. PK. SEE GOLD INSERT AND PAGE 8
- OCT. 24-26 MID-SOUTH NATIVE PLANT CONFERENCE AT MEMPHIS, TN. SEE PG. 9
- OCT. 27: CENTRAL CHAPTER MEETS AT 7:30. IN OSU HORT. CENTER; PLANT/SEED XCHG. PG. 10
- NOV. 24 CENTRAL CHAPTER MEETS AT 7:30 IN OSU HORT. CENTER. P.10
- FEB. 7, 1998: INDOOR OUTING AT SOUTHEASTERN OKLAHOMA STATE UNIVERSITY, DURANT. P. 7

*THIS NEWSLETTER PRODUCED DURING THE DOG DAYS OF SUMMER. NOT INTENDED AS A PERMANENT CHANGE!

"SUCCESS IS NOT THE KEY TO HAPPINESS. HAPPINESS IS THE KEY TO SUCCESS. IF YOU LOVE WHAT YOU ARE DOING, YOU WILL BE SUCCESSFUL"
HERMAN CAIN, QUOTED IN THE SUMMER, 1997 CHINQUAPIN

(Ed. note: special fund donors not available at presstime. We'll list them all next time.)

PRESIDENT'S PONDERERS

BY FRANK CARL

AN AGENDA FOR THE OKLAHOMA NATIVE PLANT SOCIETY'S 10TH ANNIVERSARY MEETING IS ENCLOSED (BACK OF THE REGISTRATION FORM). THIS IS AN IMPORTANT EVENT AND WE ENCOURAGE ALL ONPS MEMBERS TO ATTEND.

WE ARE FORTUNATE TO HAVE DR. ELROY L. RICE AND MR. STEVE BIEBERICH AS SPEAKERS. DR. RICE IS WELL KNOWN FOR HIS RESEARCH ON ALLELOPATHY. HE RETIRED, TO WRITE, IN 1981 AFTER 34 YEARS AS A PROFESSOR AT OKLAHOMA UNIVERSITY. HE IS THE AUTHOR OF SEVERAL BOOKS. HIS LATEST, "EFFECTS OF ALLELOPATHY ON PLANT DISEASES AND WEED CONTROL - ADDITIONAL EFFECTS OF ALLELOPATHY", WAS PUBLISHED IN 1996. DR. RICE IS THE SATURDAY EVENING BANQUET SPEAKER AND HIS PRESENTATION ON "VEGETATION OF OKLAHOMA" WILL BEGIN AT 8:00 P.M., AFTER THE BUSINESS MEETING AND DINNER.

MR. BIEBERICH, TO NO-ONE'S SURPRISE, WILL TALK ABOUT TREES. STEVE AND HIS WIFE SHERRY OPERATE THE SUNSHINE NURSERY IN CLINTON. HIS RESEARCH ON ADAPTIVES HAS TAKEN HIM TO MANY REMOTE LOCATIONS, INCLUDING CHINA IN 1995. HE WILL HAVE JUST RETURNED FROM A TRIP TO TIBET BY THE TIME OF THE ANNUAL MEETING. HIS PRESENTATION WILL BEGIN AT 7:00 P.M., FRIDAY, OCTOBER 24.

AS A BONUS, PAT FOLLEY WILL PRESENT A SLIDE PROGRAM ON 10 YEARS OF ONPS NOSTALGIA. PAT IS EDITOR OF THE GAILLARDIA AND WILL SHOW SLIDES WHICH WILL BRING BACK MEMORIES OF ONPS FIELD TRIPS, OTHER EVENTS AND MEMBERS. THIS WILL BE AN INFORMAL GROUP ACTIVITY AND IF YOU HAVE ANY SLIDES YOU WISH TO SHARE, SEND THEM TO PAT OR BRING THEM ALONG (WRITE YOUR NAME ON THEM). HER PROGRAM WILL FOLLOW STEVE'S PRESENTATION ON FRIDAY EVENING.

CONGRATULATIONS ARE DUE TO RUTH BOYD, RECIPIENT OF THE ANNUAL BESS SNODGRASS AWARD, IN RECOGNITION OF HER OUTSTANDING CONTRIBUTIONS TO WILDFLOWER CONSERVATION, AND TO PATRICIA FOLLEY, RECIPIENT OF THE CONSERVATOR AWARD FROM THE NATURE CONSERVANCY. SHE WAS RECOGNIZED FOR HER LEADERSHIP IN ORGANIZING THE PONTOTOC RIDGE PLANT SURVEY. SHE ALSO PARTICIPATED IN THE FIELD WORK.

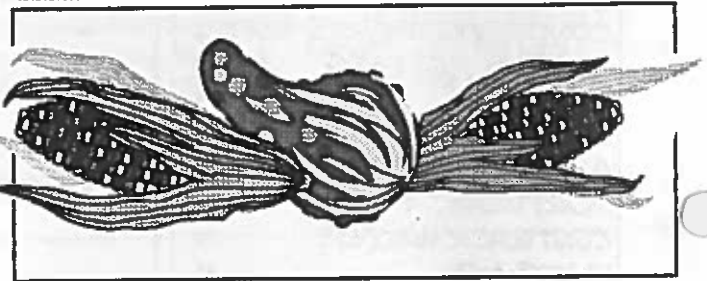
AFTER THE GOOD NEWS COMES THE BAD. NORA JONES HAS MOVED TO TEXAS WITH HER HUSBAND, JACK, WHO WAS TRANSFERRED. NORA, A PAST PRESIDENT OF ONPS, IS A LIFETIME MEMBER OF THIS ORGANIZATION. SHE IS ONE OF THE MOST EFFICIENT, ORGANIZED AND ENTHUSIASTIC PEOPLE I HAVE EVER WORKED WITH AND - DR. JEFF BURKHART ACCEPTED A POSITION IN PHOENIX, ARIZONA. HE AND HIS FAMILY MOVED DURING EARLY AUGUST. JEFF MADE AN IMPORTANT CONTRIBUTION TO EDUCATION IN OKLAHOMA FOR MANY YEARS. HE WAS VERY ACTIVE IN OUR ORGANIZATION AND WILL BE HARD TO REPLACE. BOTH WERE GOOD FRIENDS AND WILL BE MISSED.

ON THE LIGHTER SIDE I HAVE FOUR ADDITIONS THIS YEAR TO A LIST OF UNUSUAL EVENTS AND THINGS KIDS SAY. DURING PROGRAMS I ASK

THE YOUNGSTERS IF THEY CAN NAME A SLIDE OF A BIRD, ANIMAL, AND SO ON. THANKS TO THE CUB SCOUTS FOR "RABBIT CHICKEN" (LESSER PRAIRIE CHICKEN), AND "CANTALOUPE" (PRONGHORN ANTELOPE). THANKS TO A GENTLEMAN IN WOODS CO. WHO SHOWED ME A GROVE OF HONEY MESQUITE WHICH WHEN SILHOUETTED LOOKED LIKE A BRONTOSAURUS. THANKS TO MEMBER GERALDINE ROUK AND HER FAMILY FOR AN ENJOYABLE AFTERNOON OF BIRDWATCHING AND PICNICKING. THE UNUSUAL EVENT WAS HER PARROT WESLEY. WESLEY IS A "KODAK" MOMENT AND LOVES TO POSE FOR PHOTOS.

THE ELECTION OF OFFICERS AND BOARD MEMBERS WILL BE COMPLETED SATURDAY EVENING PRIOR TO DR. RICE'S PRESENTATION. WE HAVE AN EXCEPTIONAL LIST OF CANDIDATES AND I LOOK FORWARD TO WORKING WITH ALL OF THEM.

I HAVE ENJOYED MY TWO TERMS AS PRESIDENT. JAURETTA AND I HAVE MET SOME GREAT PEOPLE AND MADE A LOT OF NEW FRIENDS. THE HELP OF SEVERAL MEMBERS HAS MADE THIS AN EASY JOB. THE OFFICERS AND BOARD MEMBERS I HAVE WORKED WITH WOULD BE AN ASSET TO ANY ORGANIZATION.



NOMINATING COMMITTEE REPORT

THE NOMINATING COMMITTEE, COMPOSED OF SUSAN CHAMBERS, BETTY KEMM AND PAUL BUCK, HAS BROUGHT IN AN OUTSTANDING SLATE OF NOMINEES FOR THE OFFICERS AND BOARD NEXT YEAR. THEY ARE:

PRESIDENT: RUTH BOYD
 VICE-PRESIDENT: DR. T.H. MILTY
 SECRETARY: CLARE MILLER
 TREASURER: JUDY JORDAN
 HISTORIAN: CAREN HAWORTH
 BOARD MEMBERS AT-LARGE,
 DR. LARRY MAGRATH AND DR. PAUL REIMER

PLEASE GIVE EACH OF THESE NOMINEES YOUR CAREFUL CONSIDERATION, AND THEN COME TO THE ANNUAL MEETING AND VOTE!

ALSO TO BE CONSIDERED DURING THE BUSINESS MEETING IS AN INVITATION FROM THE NATIVE PLANT SOCIETY OF TEXAS TO JOIN THAT ORGANIZATION AND THE NATIVE PLANT SOCIETY OF NEW MEXICO FOR A 3-WAY JOINT MEETING IN AMARILLO ON THE THIRD WEEK-END IN OCTOBER, 1998. WE HAVE MANY JOINT MEMBERS IN THESE OTHER ORGANIZATIONS, SOME OF WHOM WE MEET OFTEN ON FIELD TRIPS. A SYNOPSIS OF THE PLANNED MEETING IS ENCLOSED ON PAGE 8.

GARDENING ON THE WILD SIDE

BY WAYNE CHAMBERS (FUTURE PULITZER PRIZE WINNER AND ALL-AROUND NICE GUY)

THE WINTER OF 1609 WAS RAPIDLY APPROACHING FOR THE BRAVE LITTLE BAND OF PILGRIMS. THINGS LOOKED BLEAK. IN FACT, THE MUCH ANTICIPATED THANKSGIVING DINNER WAS GOING TO CONSIST OF HI-HO CRACKERS AND POTTED MEAT. ALL HOPE WAS GONE, THE NOBLE EXPERIMENT HAD FAILED. ENSLAND BECKONED.

JUST AS THE WOULD-BE COLONISTS HAD FINISHED TYING THE LAST MATTRESS TO THE TOP OF THE SHIP, HOPE CAME WALKING DOWN THE PATH. IT WAS THE INDIANS, WITH GROCERIES. ACTUALLY, THE TRIBE WAS TRYING TO UNLOAD SOME ZUCCHINIS THEY FELT GUILTY ABOUT THROWING AWAY, AND SOME TOMATOES THAT WERENT GOING TO RIPEN BE-FORE COLD WEATHER. THE PILGRIMS DIDNT KNOW THAT, BUT WOULDNT HAVE MUCH CARED. IT WAS FOOD. IT WAS FREE. 'NUFF SAID.

AFTER EXCHANGING GREETINGS AND PLEASANTRIES THE PILGRIMS BROKE INTO A DEAD RUN FOR PLATES AND SILVERWARE. DISCRETION AND ORDER FINALLY BROKE THROUGH, HOWEVER, WHEN A RELISH TRAY, CHIPS AND DIPS WERE SERVED BY A QUICK-THINKING LADY PILGRIM. THE TOMATOES AND ZUCCHINI WERE HASTILY PREPARED AND THE HALF-STARVED PILGRIMS ATE THEIR FILL. AFTER THE MEAL, SPIRITS WERE HIGH AND THE DECISION WAS MADE TO HAVE A THANKS-GIVING FEAST PEOPLE WOULD BE TALKING ABOUT FOR HUNDREDS OF YEARS, OR WHEN THE LEFT-OVERS WERE GONE, WHICHEVER CAME FIRST.

THE NEXT MORNING BEFORE SUNRISE INDIANS AND COLONISTS UNITED IN A COMMON GOAL: HOLIDAY IMMORTALITY. MEN OF TWO RACES EASERLY WENT INTO THE WOODLANDS FOR GAME. AFTER A COUPLE OF CLOSE CALLS MEN OF TWO RACES WENT HOME AND PUT ON FLUORESCENT ORANGE HATS AND VESTS AND AGAIN EASERLY RETURNED TO THE WOODLANDS FOR GAME. OF COURSE, THE INDIANS WERE EXCELLENT HUNTERS. THE PILGRIMS, HOWEVER, WANTED TO BE BIG-SHOTS AND SHOW OFF THEIR GUNS. THEIR FIREARM OF CHOICE WAS A BLUNDERBUSS. (YES, IT REALLY IS A WEAPON AND NOT A MODE OF TRANSPORTATION FOR MISTAKE-PRONE PEOPLE.)

THE BLUNDERBUSS IS BASICALLY AN EARLY SHOTSUN, WITH A REALLY, REALLY FULL CHOKE. VARIOUS TYPES OF SHOT WERE USED IN THE WEAPON, BUT SHOOTING FOR DINNER REQUIRED DIFFERENT SHOT. SOMETHING OTHER THAN LEAD SHOT WAS DESIRED, WHAT WITH THE NEAREST DENTIST IN ROANOAK, AND HE DIDNT WORK ON HOLIDAYS. SEVERAL ALTERNATIVE-TYPES OF SHOT WERE TRIED. GRAPE NUTS CEREAL PROVED TO BE THE MOST EFFECTIVE, GIVING A GOOD KILL AND ALSO AN EXCELLENT SOURCE OF FIBER. IN AN EFFICIENCY MOVE, SOME OF THE PILGRIMS BEGAN LOADING THEIR GUNS WITH BREADING AND SPICES. THEY FIGURED WITH ONE SHOT YOU COULD KILL CLEAN AND STUFF A TURKEY, LEAVING ONLY TO COOK IT. THE REAL TRICK HERE WAS IN KNOWING HOW MUCH GUNPOWDER TO

USE. JUST ENOUGH AND THE IDEA WORKED LIKE A CHARM; NOT ENOUGH MADE FOR A NAKED BIRD WITH A BAD ATTITUDE, AND TOO MUCH RESULTED IN TURKEY WASH.

GAME TAKEN IN THAT FIRST HUNT WAS: SEVENTEEN TURKEYS, THREE DEER, A DOZEN SQUIRRELS, SIX RABBITS, A TEAM OF OXEN, AND THE WIDOW JONES' OVERFED CAT WHICH SOMEONE MISTOOK FOR A BADGER. (BUT THE PILGRIMS DIDNT WANT NO STINKING BADGERS!) ALTHOUGH MANY TYPES OF GAME WERE TAKEN THAT DAY, IT IS TURKEY THAT WE ASSOCIATE WITH THANKSGIVING. THIS IS THE RESULT OF AN INTENSIVE PUBLIC RELATIONS CAMPAIGN BEGUN BY SOME OF THE MORE ENTERPRISING PILGRIMS. THEY HAD INVESTED HEAVILY IN HONEY-SUCKLE WHITE FUTURES AND WERE INTENT ON GETTING THE TURKEY OFF THE GROUND AS THE



OFFICIAL, TRADITIONAL THANKS-GIVING MAIN COURSE. CHILDREN EVERYWHERE ARE THANKFUL THAT THEY DIDNT INVEST IN LIVER OR TRIPE FUTURES.

WHILE THE GAME WAS BEING DRESSED, SOME OF THE GUNS DECIDED TO BUILD A SMALL CAMPFIRE AND SAMPLE SOME OF THE BOUNTY. AFTER THE FOREST FIRE HAD BEEN EXTINGUISHED, THE HUNTERS DECIDED TO TAKE EVERYTHING BACK TO THE SETTLEMENT. THAT WAY IF THE SETTLEMENT BURNED TO THE GROUND THEY COULD CASH IN BIG-TIME FROM THE INSURANCE COMPANIES. THE MENFOLKS ARRIVED BACK AT THE VILLAGE QUITE PLEASED WITH THEMSELVES. THE WOMENFOLK WERE NOT. IT SEEMS THE CHILDRENFOLK HAD BEEN UNDERFOOT ALL MORNING. AN AGREEMENT WAS REACHED THAT NEXT YEAR'S HUNT WOULD BE A DAD & LAD AFFAIR. EITHER THAT, OR THEY WERE GOING TO HAVE TO BUILD SOME KIDDIE-SIZED STOCKS.

WITH THE HELP OF THE NOW VERY OBLIGING MEN, FIRES WERE BUILT, CORN WAS SHUCKED, MEAT WAS ROASTED, AND VEGETABLES WERE SLICED, DICED AND JULIENNED. YES, IT WAS AN AMAZING SIGHT. DINNER WAS PUT ON THE TABLE AT 2:00, TO THE PRIDE AND DELIGHT OF ALL INVOLVED. THERE TRULY WAS MUCH TO BE THANKFUL FOR. NOT JUST THE ABUNDANCE OF FOOD, BUT FOR THE FELLOWSHIP OF NEW FOUND FRIENDS, AS WELL AS THE FREEDOM OF A NEW LAND. IT WOULD BE A VERY

(CONTINUED ON PAGE 6)

CONSERVATION CORNER

BY SHEILA STRAWN, ONPS CONSERVATION CHAIRMAN

CONSERVING SPECIES BY CONSERVING HABITAT

ON SATURDAY, JUNE 14, THE CENTRAL CHAPTER OF THE OKLAHOMA NATIVE PLANT SOCIETY MET AT THE OKLAHOMA CITY ZOO FOR A TOUR OF THE NEW "BUTTERFLY GARDEN". FOR THE PAST FEW YEARS THE ZOO HAS BEEN UTILIZING NATIVE SPECIES IN THEIR LANDSCAPING PROGRAMS. THE RESULTS HAVE BEEN THE ADDITION OF A ROCK GARDEN WITH NATIVE CACTUS AND SUCCULENTS, A TALLGRASS PRAIRIE HILLSIDE, AND A WILDFLOWER GARDEN WITH A "PUDDING POOL" DESIGNED ESPECIALLY TO ATTRACT BUTTERFLIES. INDEED, WE SAW MANY BUTTERFLIES, INCLUDING OUR OWN STATE BUTTERFLY, THE EASTERN BLACK SWALLOWTAIL. THE HORTICULTURISTS HAVE AN ONGOING PROGRAM TO LABEL THESE NATIVE SPECIES AS WELL AS THE TREES AND SPECIAL PLANTINGS IN THE ANIMAL EXHIBIT AREAS. THE ZOO IS PLANNING TO ENLARGE THE EDUCATION BUILDING IN ORDER TO PROVIDE SPACE FOR MORE CLASSES INCLUDING HORTICULTURE CLASSES AND OTHER EDUCATIONAL PROGRAMS.

PEARL PEARSON, OKC ZOO HORTICULTURIST, GAVE US A TOUR AND PROVIDED EVERYONE PRESENT WITH A HANDOUT ON HOW TO USE NATIVE SPECIES TO ATTRACT BUTTERFLIES TO OUR HOME GARDENS. WE WERE ALL DELIGHTED AT THE SIZE AND NUMBER OF SPECIES IN THE ZOO'S GARDEN AND HOW HUGE SOME OF THE NATIVE BLOSSOMS HAD GROWN WITH A LITTLE ENCOURAGEMENT AND A LITTLE FERTILIZER. WE ASKED ABOUT THE FERTILIZER. PEARL SAID THAT THE ZOO NO LONGER HAS A PLACE TO COMPOST THEIR OWN, SO THEY USE A COMMERCIAL SOIL CONDITIONER MADE BY HEAVENLY EARTH CALLED "HUMATE". THEY ARE EVEN ABLE TO REHABILITATE OLD ANIMAL ENCLOSURE AREAS WITH IT. SHE ALSO SAID THAT THEY HAVE HAD LITTLE TROUBLE WITH PESTS IN THEIR TWO PRODUCTION HOUSES AND THAT THEY USE NATURAL PREDATORS AS MUCH AS POSSIBLE, INCLUDING FUNGUS GNATS, PARASITIC WASPS, LADY BUGS AND SEVERAL OTHERS. SHE ASKED FOR HELP IN VERIFYING SOME SPECIES WHICH MIGHT HAVE BEEN MIS-IDENTIFIED BY NURSERIES AND SEED PROVIDERS. WE SHARED WHAT WE KNEW ABOUT THEM WITH PEARL AND EACH OTHER. WE FOUND SOME PLANTS FROM "NATIVE WILDFLOWER SEED" PACKETS SOLD BY NURSERIES WHICH ARE NOT NECESSARILY NATIVE TO OKLAHOMA.

JENNIE MESA, THE HORTICULTURE TECHNICIAN IN CHARGE OF STARTING THE SEEDLINGS AND PREPARING THE SEED BEDS, ASSISTED PEARL WITH THE TOUR AND GAVE US BACKGROUND INFORMATION ON HOW IT WAS DONE. SHE WAS VERY PLEASED WITH THE ZOO'S FIRST TRY WITH NATIVE LANDSCAPES. MOST OF THE PLANTINGS MADE IN THE HEAT OF LAST AUGUST LASTED THROUGH THE WINTER. THE WILDFLOWER PLOT TURNED OUT TO REQUIRE VERY LITTLE MAINTENANCE WITH ONLY TWO CLEAN-UPS. ALMOST EVERYTHING THEY PLANTED, PERENNIALS AND ANNUALS, CAME BACK THIS YEAR.

IT'S TOO LATE TO "PRESERVE" THE NATURAL PLANT AND ANIMAL SPECIES WE ANNIHILATED WHEN WE ESTABLISHED OUR COMMUNITIES, BUILT OUR HOUSES, PLANTED NERMUDA GRASS AND PAVED OUR PARKING LOTS. THAT ORIGINAL NATURAL GENETIC DIVERSITY IS GONE FROM OUR CITIES AND SUBURBS. WE SHOULD PROMOTE THE PRESERVATION AND RE-ESTABLISHMENT OF NATURAL DIVERSITY WHEREVER POSSIBLE. EVEN IF WE HAVE CONTROL OVER ONLY A FEW SQUARE METERS OF LAND, THAT LAND CAN BE USED TO GIVE OUR NATIVE SPECIES A PLACE TO BE. A BUTTERFLY GARDEN NOT ONLY PROVIDES SPACE FOR NATIVE FLORAL SPECIES TO MAINTAIN GENETIC DIVERSITY BY BEING NATURALLY POLLINATED, IT ALSO PROVIDES FOOD AND LIVING SPACE FOR INSECTS TO LIVE AS WELL AS THEIR PREDATORS; THE SPIDERS, LIZARDS, AND SNAKES. YES, WE WILL HAVE TO COME TO TERMS WITH LIVING AROUND ALL THESE NATIVE SPECIES. THAT'S EASIER SAID THAN DONE, HOWEVER. ONCE AGAIN, THERE IS A HUMAN FACTOR INVOLVED - OUR -FEAR OF THE UNKNOWN. WHILE WE ARE IGNORANT ABOUT THE LIFE HISTORY OF MANY "PEST" SPECIES, MANY OF THEM ARE SMART ENOUGH TO LIVE AROUND US. THEY KNOW WHOSE GARBAGE CANS TO TIP, WHO PLANTS THE JUICEST GARDEN, AND WHERE TO GO TO HIDE. SURELY WE CAN LEARN ENOUGH ABOUT WILD ANIMALS TO ABANDON OUR DESIRE TO LIVE WITHOUT THEM. IF WE DON'T PRESERVE HABITAT FOR ALL THE SPECIES, THE ONLY ONES WHICH SURVIVE WILL BE THE ONES WHICH ARE SMART/GENETICALLY LUCKY ENOUGH TO SURVIVE WITH HUMANS-THE PESTS!

TAXONOMIC

Whatever happened to Smilacina.

A name that I long knew well?

Has it been sent to that far-off place

Where all the lost names dwell?

There to drift in limbo and await that future age

When some botanist's paper will bring it back on stage?

And if that day does happen, later botanists will say,

"Whatthehell is Smilacina? I never heard that name.

I grew up with old Malanthenium: why should it have to change?

But change occurs.

Old books are littered with names that have passed away.

Some may be gone, but others rest, to be seen at a later day.

While some remain in italics or even parentheses.

It depends upon the authors and what the authors please.

by Stan Hudson, clipped from the MONPS' *Petal Pusher*

BOTANY MATTERS WHY SOME PLANTS HAVE PRETTY FLOWERS, AND SOME DON'T

BY DR. PAUL BUCK

EVERY ONE OF US, AS MEMBERS OF THE OKLAHOMA NATIVE PLANT SOCIETY, SHARE A COMMON INTEREST AND CURIOSITY IN OUR NATIVE FLORA. WE FREQUENTLY ASK ONE ANOTHER "WHAT PLANT IS THAT? WHERE CAN IT BE FOUND? WHICH ARE EDIBLE?...HAVE MEDICINAL VALUE? ARE POISONOUS?, PLUS A MULTITUDE MORE. IF YOU HAVEN'T PARTICIPATED IN THESE QUESTION AND ANSWER SESSIONS IT IS PROBABLY BECAUSE YOU HAVE NOT JOINED US ON A FIELD TRIP. LET ME TAKE A FEW MOMENTS AND DISCUSS THE QUESTION RAISED IN THE TITLE ABOVE. PERHAPS MY COMMENTS WILL ANSWER SOME OF YOUR QUESTIONS BUT THEN RAISE MANY MORE. IF THAT IS THE CASE, THIS EFFORT WILL BE SUCCESSFUL AND YOU MIGHT EVEN JOIN US ON A FUTURE OUTING FOR "MORE OF THE STORY".

FIRST, A REVIEW OF BASIC CONCEPTS RELATED TO FLOWERS AND THEIR ROLE IN PLANT LIFE CYCLES. OF COURSE, LIFE CYCLES NECESSARILY INVOLVE REPRODUCTION.

THERE ARE TWO APPROACHES TO THE REPRODUCTIVE PROCESS AND EACH HAS ITS ADVANTAGES AND DISADVANTAGES. IN THE FIRST, ASEXUAL REPRODUCTION, A PORTION OF THE ADULT BODY, PLANT OR ANIMAL, SEPARATES AND GIVES RISE TO A NEW ORGANISM. THE ADVANTAGES ARE THAT THE PROCESS IS INEXPENSIVE, REQUIRES LITTLE ENERGY, AND PERMITS A POPULATION TO QUICKLY FLOOD A FAVORABLE ENVIRONMENT. A MAJOR DISADVANTAGE IS THAT THERE IS LITTLE VARIATION IN THE POPULATION; ALL INDIVIDUALS ARE SIMILAR AND SUBJECT TO BEING ELIMINATED BY A PREDATOR OR PATHOGEN.

THE SECOND APPROACH, SEXUAL REPRODUCTION, INVOLVES THE FUSION OF GENETIC MATERIAL GENERALLY PROVIDED BY TWO INDIVIDUALS. THIS PROCESS PRODUCES OFFSPRING COMPOSED OF THE COMBINED TRAITS OF THE PARENTS. SEXUAL REPRODUCTION IS EXPENSIVE. IT INVOLVES ATTRACTING OR PURSUING A MATE, AND REQUIRES COMPLEX, SPECIALIZED STRUCTURES TO COMPLETE THE PROCESS OF PLACING THE GAMETES (SPERM AND EGGS) IN CLOSE PROXIMITY SO FERTILIZATION CAN OCCUR. THE DISADVANTAGE IS EVIDENT, THE COST GREAT. THE ADVANTAGE IS A POPULATION OF DIVERSE INDIVIDUALS, SO DIFFERENT IT CAN SURVIVE THE EVER-CHANGING ENVIRONMENT - SOME MEMBERS WILL BE RESISTANT TO, OR TOLERANT OF, THE STRESSES IMPOSED AND WILL PERPETUATE THE SPECIES.

THE PROBLEM FACING PLANTS IS HOW TO TRANSPORT THE MALE GAMETE (SPERM WITHIN POLLEN GRAINS) TO THE FEMALE GAMETE (EGGS WITHIN THE OVULES IN OVARIES). SOMEHOW THAT POLLEN GRAIN MUST MAKE ITS WAY FROM AN ANTHER (PART OF THE STAMEN) TO THE STIGMA (UPPER PORTION OF THE PISTIL), A PROCESS CALLED POLLINATION. FROM THE STIGMA A DEVELOPING POLLEN TUBE CARRIES THE SPERM TO THE IMMEDIATE VICINITY OF THE EGG. THERE ARE TWO PRIMARY APPROACHES TO THE POLLINATION PROCESS, ENTICING AN ORGANISM TO CARRY THE POLLEN FROM ONE FLOWER TO ANOTHER (ENTOMOPHILY), AND RELEASING

POLLEN INTO THE ATMOSPHERE FOR WIND DISTRIBUTION (ANEMOPHILY).

ENTOMOPHILY INVOLVES ATTRACTING AN ORGANISM FOR POLLEN TRANSPORT AND THIS IS OFTEN EXPENSIVE. IT FREQUENTLY INVOLVES VISUAL CUES SUCH AS LARGE, COLORFUL PETALS, SOMETIMES WITH INTRICATE PATTERNS WHICH DIRECT VISITOR BEHAVIOR. ONCE THE EYE OF A FORAGING INSECT, OR OTHER POTENTIAL POLLINATOR, HAS BEEN CAUGHT, THE ORGANISM MUST BE LURED TO THE PLANT AND THAT IS OFTEN A RESULT OF AN AROMA PRODUCED ALONG WITH NECTAR. THE NECTAR, AND GENERALLY SOME POLLEN, IS THE REWARD FOR TRANSPORTING POLLEN FROM ONE FLOWER TO ANOTHER. TOO LITTLE REWARD AND THE "TRANSPORTER" MAY CHOOSE TO VISIT ANOTHER SPECIES OF PLANTS, WHILE TOO GREAT AN ABUNDANCE MAY RESULT IN THE ANIMAL'S RETURNING TO ITS HOME, TERMINATING ANY ADDITIONAL VISITS. OBVIOUSLY THERE IS A DELICATE BALANCE TO THE QUANTITY AND QUALITY OF THE NECTAR SO IT WILL MEET THE DEMANDS OF THE VISITOR. STUDIES HAVE SHOWN THAT PLANTS MONITOR THAT BALANCE UNTIL POLLINATION HAS BEEN ACCOMPLISHED - THEN THE NECTAR SUPPLIES DRY UP, PETALS LOSE THEIR COLOR AND WILT, AND METABOLIC ENERGY IS DIVERTED TOWARD THE PRODUCTION OF SEEDS (CONTAINING EMBRYOS) AND FRUIT. WHAT IS THE ADVANTAGE OF REMOVING ANTHERS FROM LARGE LILY FLOWERS USED IN FLORAL DISPLAYS?

THE SECOND APPROACH, ANEMOPHILY, IS ALSO COSTLY BUT IN THIS CASE THERE IS NO NEED FOR THE LARGE PETALS (IN FACT, MANY OF THE PLANTS IN THIS CATEGORY LACK PETALS), BRIGHT PIGMENTATION IS UNNECESSARY, AS WELL AS NECTAR PRODUCTION. INSTEAD, THE PLANTS DIVERT THEIR ABUNDANT METABOLIC ENERGY TO THE PRODUCTION OF GREAT QUANTITIES OF POLLEN WHICH IS THEN RELEASED TO THE WIND. MANY OF OUR OKLAHOMA NATIVE PLANTS ARE ANEMOPHILOUS - WHY DO YOU SUPPOSE THAT IS TRUE?

AN EXAMPLE OF A COMMON AND FAMILIAR (INTIMATELY FAMILIAR FOR SOME) NATIVE SPECIES DEMONSTRATING ANEMOPHILY IS *AMBROSIA TRIFIDA*, GIANT RAGWEED. FLOWER MATURATION AND POLLEN RELEASE BEGINS ABOUT MID-AUGUST, AS ANY HAY-FEVER SUFFERER WELL KNOWS. TAKE A MOMENT TO EXAMINE THE FLOWERS OF A SPECIMEN. THE SPECIES IS COMMON AND ABUNDANT ACROSS MOST OF THE STATE. THE SPIKELIKE MASSES OF MALE FLOWERS APPEAR YELLOW DUE TO THE ANTHERS, SWOLLEN WITH POLLEN. THE FEMALE FLOWERS ARE SMALL AND INCONSPICUOUS, OCCURRING AT THE BASES OF THE MALE FLOWERS. IT HAS BEEN REPORTED THAT ONE GIANT RAGWEED PLANT WILL PRODUCE OVER 2,000,000,000 POLLEN GRAINS. HAVE HEART, HOWEVER, THIS WILL BE OVER WITH THE FIRST FROST, OR ABOUT THE 10TH OF OCTOBER.

AS I SAID BEFORE, WE CAN COVER ONLY A FEW OF THE PROBLEMS MET BY PLANTS IN SEXUAL REPRODUCTION. THE QUESTION WE ASKED WAS WHY DO SOME PLANTS HAVE "PRETTY FLOWERS" AND SOME DON'T? AND WE HAVE SHED SOME LIGHT ON IT. THERE ARE STILL NUMEROUS DIFFICULTIES TO BE OVERCOME IN REPRODUCTION BY THE FLOWERING PLANTS AND WE HAVE AN IDEA HOW MANY HAVE BEEN SOLVED. (continued on next page)

The Gaillardia

(Botany, etc. continued from page 5)

WHAT IS THE VALUE OF PLANTS LIKE WILLOWS OR COTTONWOODS BEING ENTIRELY MALE (STAMINATE) OR FEMALE (PISTILLATE)?

HOW IS SELFING (INCEST) AVOIDED?

HOW DO SUBMERGED AQUATIC FLOWERING PLANTS ACCOMPLISH POLLINATION?

HOW DOES POLLINATION TAKE PLACE IN PLANTS WITH UNUSUAL, OFTEN BIZARRE FLORAL STRUCTURE, SUCH AS MILKWEEDS, JACK-IN-THE-PULPIT, DUTCHMAN'S PIPE, ETC.?

THESE ARE BUT A FEW OF THE QUESTIONS WE CAN DISCUSS IN A FUTURE ISSUE OF THE GAILLARDIA.

(Ed. note: Dr. Buck has issued an invitation to our members. You can send your questions directly to him or to this newsletter for reply.)

(THANKSGIVING...CONTINUED FROM PAGE 3)
LONG TIME BEFORE THIS MOMENT WAS FORGOTTEN. IT WOULD BE CENTURIES BEFORE THANKSGIVING WOULD BECOME MORE TRADITION THAN THANKFULNESS.

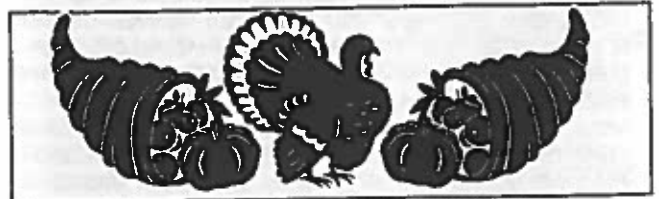
AFTER A BRIEF (BY PILGRIM STANDARDS) PRAYER, THE MEAL WAS BEGUN. YES, EVERYONE WAS THANKFUL, BUT THEY WERE ALSO HUNGRY. ELDER SMITH WAS URGED TO KEEP THIS FACT IN MIND WHEN OFFERING THANKS. NOT A LOT WAS SAID DURING THE MEAL. MOST OF THE CONVERSATIONS WERE IN REGARDS TO THE TASK AT HAND. PHRASES SUCH AS "PRITHEE, WOULD THOU PASSETH ME THE SALT" OR "GLORY-BE, THIS TURKEY IS DRY!" WERE ABOUT ALL THAT WAS HEARD.

AFTER THE MEAL, HOWEVER, THINGS LOOSENED UP. LITERALLY. ABOUT TWO NOTCHES ON A LEATHER DRESS BELT. CONVERSATION ITSELF WAS STRAINED, THOUGH, SINCE NEITHER GROUP WAS LITERATE IN THE OTHER'S LANGUAGE. MOSTLY SMILES AND GESTURES. BEFORE LONG THE MEN BEGAN TO DRIFT AWAY AND CONGREGATE OUTSIDE. THE WOMEN WERE LEFT WITH THE CLEANUP, BUT THEY DIDN'T MIND. (REMEMBER, THIS WAS THE 1600'S) ONCE OUTSIDE, THE GUYS BEGAN TO CLUSTER IN SMALL GROUPS, HUNKER DOWN, DRAW WITH STICKS IN THE DIRT, LEAN AGAINST OXCARTS AND TELL WINDY STORIES. IN HONOR OF THE NEW FRIENDSHIPS FORMED, ONE OF THE INDIANS OFFERED THE PILGRIMS SOMETHING THEY HAD NEVER SEEN BEFORE: TOBACCO. THE COLONISTS WEREN'T AWARE YOU WERE JUST SUPPOSED TO CHEW IT. FORTUNATELY THE NATIVES REALIZED WHAT WAS GOING ON AND MADE IT CLEAR THIS WAS NOT A SNACK TO BE EATEN. SOON EVERYONE WAS CHEWING AND SPITTING LIKE OLD PROS. THINGS WERE REALLY GREAT WHEN A PIPE WAS BROUGHT OUT AND EVERYONE WAS SMOKING THIS WONDERFUL GIFT.

BACK INSIDE THE CABIN THE WOMEN HAD SOCKED ALL THE LEFTOVERS INTO THEIR TUPPERWARE AND CLEANED UP THE MESS. THE CHILDREN-FOLK WERE UNCHAINED FROM THE KIDS' TABLE AND SENT OUTSIDE TO TORMENT THEIR FATHERS. THEY QUICKLY DETOURED OUT OF FEAR OF BEING SPIT UPON, AND DECIDED INSTEAD TO GIVE THEIR NEW

LITTLE NATIVE FRIENDS RIDES ON THE DUNKING STOOL. THE INDIAN WOMEN HAD A NEW TABLE GAME THEY WANTED TO SHOW OFF: BINGO.

QUITE AN AFTERNOON WAS HAD BY ALL. ALL THINGS HAVE TO COME TO AN END, AND SOON LEFT-OVERS WERE PORTIONED OUT, PLANS WERE MADE FOR NEXT YEAR AND GOODBYES WERE SAID. AS THE FRIENDLY NATIVES WALKED AWAY INTO THE SETTING SUN THE SETTLER LADIES WAVED GOODBYE AND SHOUTED THEIR NEWLY LEARNED WORD "BINGO". THE MENFOLKS MERELY WAVED. NOT BECAUSE THEY WERE UNFRIENDLY, BUT BECAUSE THEY HAD SMOKED TOO MUCH AND THEIR THROATS WERE REALLY SORE.



-----HAPPY THANKSGIVING ONE AND ALL!-----

TEAMING WITH WILDLIFE UPDATE
THE OKLAHOMA DEPARTMENT OF WILDLIFE CONSERVATION HAS BEEN REASONABLY ASSURED THAT BECAUSE OF OVERWHELMING NATIONAL SUPPORT FROM CONSERVATION ORGANIZATIONS AND BUSINESSES MANUFACTURING AND/OR SELLING NON-CONSUMPTIVE OUTDOOR EQUIPMENT, THE TEAMING WITH WILDLIFE PROPOSAL WILL BE INTRODUCED INTO THE NATIONAL LEGISLATURE, PROBABLY IN OCTOBER 1997. IT IS IMPERATIVE THAT YOUR OWN SENATOR OR REPRESENTATIVE BE ASSURED THAT YOU WANT HIM/HER TO SUPPORT THE BILL. UNFORTUNATELY, A NUMBER OF THESE INDIVIDUALS HAVE POOR RECORDS IN SUPPORTING ECOLOGICAL ACTIVITIES. THESE INDIVIDUALS MAY BE CONTACTED AS FOLLOWS:

THE HONORABLE _____ (FULL NAME) _____
UNITED STATES SENATE
WASHINGTON, DC 20510

AND
THE HONORABLE _____ (FULL NAME) _____
UNITED STATES HOUSE OF REPRESENTATIVES
WASHINGTON, DC 20515

IF YOU BELONG TO A GROUP THAT WOULD LIKE TO HEAR MORE DETAILS ABOUT TEAMING WITH WILDLIFE YOU MAY CALL JEREMY GARRETT AT ODWC AT 521-6616 AND ASK FOR A SPEAKER TO ADDRESS YOUR GROUP.



FIELD TRIPPING NEWS

(Ed. note: one of our field trip leaders has moved away, and the other isn't at home at presstime, so the following is cribbed out of Pat Foley's field notebook. Please don't hold ONPS responsible for any oversights!)

WHITE OAK PRAIRIE -- 7 JUNE 1997

WHITE OAK PRAIRIE IS A NATURE CONSERVANCY-PROTECTED, PRIVATELY OWNED PROPERTY IN CRAIG COUNTY, NEAR VINITA. IT IS THE LAST KNOWN SITE FOR THE ENDANGERED PRAIRIE FRINGED ORCHID IN OKLAHOMA. TWENTY-OR-SO OF US MET AT WHITE OAK HIGH SCHOOL'S PARKING LOT ON A SWELTERING SATURDAY MORNING. WHITE OAK REALLY ROLLED OUT THE WELCOME MAT FOR US; THE STORE HAD A PORTABLE SIGN OUT IN FRONT TO WELCOME US IN! THE OWNER'S REPRESENTATIVE ACCOMPANIED US ON THE SHORT WALK INTO THE UNFENCED OPEN FIELD. IT ISN'T GRAZED, BUT IS HAYED IN THE SUMMER, THUS KEEPING THE BRUSH FROM TAKING OVER. WE NOTICED THESE SPECIES IN BLOOM: WILD PETUNIA, HEAL-ALL, NARROW-LEAF MILKWEED, BLUE LOBELIA, LARGE-FLOWERED COREOPSIS, PALE CONE-FLOWER, LITTLE BLUESTEM, PINK MILKWORT, ROUGH-LEAF DOGWOOD, PERSIMMON, CEDAR ELM, PRAIRIE PARSLEY, YARROW, INDIAN PAINTBRUSH, NARROW RUSH, SKYROCKET SEDGE, GOAT'S RUE, AND MANY MORE IN AND OUT OF BLOOM -- BUT NO ORCHIDS!

ANNUAL S.E. OKLAHOMA ORCHID TOUR: 1 AUGUST THERE WERE 22 NAMES ON THE SIGN-IN SHEET FOR THIS VERY POPULAR FIELD TRIP. WE ASSEMBLED IN A PICNIC AREA AT RAYMOND GARY STATE PARK NEAR FT. TOWSON, THEN CARPOOLED AND CONVOYED TO SCHOOLER LAKE, NORTHEAST OF HUGO. WITH JIM NORMAN IN THE LEAD, WORRYING BECAUSE WE WERE A WEEK EARLIER THAN USUAL AND IT WAS VERY DRY, WE EASILY FOUND NEARLY AS MANY OF THE SPECTACULAR *PLATANHERA CILIARIS* (YELLOW-FRINGED ORCHID) (WHICH IS REALLY ORANGE), AS IN PAST YEARS. WISHING ALL ALONG FOR TRUCE SMITH TO HELP WITH NAMES FOR THE FERNS, WE CRACKLED THROUGH VERY DRY WOODS TO SEE *PHYCANTHEMUM ALBESCENS* (WHITELEAF MOUNTAIN MINT), LOTS OF SEDGES AND BULRUSHES, THE TINY-FLOWERED SEA-OATS (*CHASMANTHIUM LAXUM*), BUT VERY FEW MOSES OR MUSHROOMS.

BROKEN BOW RESIDENT SALLY WEBB INVITED US TO HER HOME-IN-THE-WOODS FOR A DELICIOUS SANDWICH-BAR LUNCH, SO WE ALL TOOK OFF ACROSS COUNTRY ROADS TO MEET HER THERE. SURPRISE! SOME OF THE BEST WILDFLOWERS OF THE DAY WERE THERE IN HER FRONT YARD (SHE CALLS IT A BILLABONG BECAUSE IT DRIES UP IN HOT WEATHER. SO, IT WAS DRY, BUT FULL OF ENCHANTING *HYDROLEA OVATA* AND ACCOMPANIED BY A FEW BRIGHT PINK *RHEXIA MARIANA* (MEADOW BEAUTY). IF YOU HAVEN'T SEEN A BILLABONG FULL OF BRIGHT-BLUE *HYDROLEA*, THEN YOU NEED TO SAVE THE SECOND SATURDAY IN AUGUST, 1998 TO SEE SOME FOR YOURSELF!

ON TO TINY, WONDERFUL, AND ENDANGERED BATTIEST BOG. AGAIN, DRY. AGAIN, ABLOOM WITH ORCHIDS, THIS TIME THREE-BIRDS (*TRIPHORA TRIANTHOPHORA*), AND CRANEFLY (*TIPULARIA DISCOLOR*). NERLIN HECK POINTED OUT THE ONLY WITCH-HAZEL TREE I'VE EVER SEEN, HANGING OUT OVER THE ROAD.

ON TO BROKEN NOW, TO SEE THE STATE-RECORD SEPTEMBER ELM (*ULMUS SEROTINA*), AND EAST ON US 70 ABOUT 4 MILES TO THE STATE-RECORD WILLOW OAK (*QUERCUS PHELLOS*) -- A REALLY, REALLY BIG TREE. SOUTH, THEN, ALONG THE MOUNTAIN FORK RIVER TO FORKED LAKE AND THE CYPRESS SWAMPS. LIKE A DREAM FROM ANOTHER PLANET, THERE. ALTOGETHER, A WONDERFUL DAY.

FIELD TRIPS YET TO COME

INDOOR OUTING -- FEBRUARY 7, 1998

BY CONNIE TAYLOR

IN THE TRADITIONAL MANNER OF ONPS, WE WILL TAKE OVER THE CAMPUS OF SOUTHEASTERN OKLAHOMA STATE UNIVERSITY FOR A SATURDAY IN MIDWINTER FOR AN INDOOR FIELD TRIP. IS THERE ANYONE LEFT WHO HAS NOT BEEN TO ONE OF THESE EVENTS? COME AND FIND OUT WHAT YOU'VE BEEN MISSING! CONVENIENCE AT THE SCIENCE BUILDING. 10:00 A.M. TO NOON WILL BE SPEAKERS. I HAVE ASKED SEVERAL PEOPLE FROM TEXAS TO COME UP AND TALK ABOUT THE BOTANICAL RESEARCH INSTITUTE OF TEXAS AND THE NORTH TEXAS FLORA PROJECT. DR. RAMONA THOMPSON WILL TALK ABOUT BOTANY ON THE INTERNET. YOUR LOCAL LIBRARY HAS INTERNET ACCESS, AND ALL YOU NEED IS A SPECIAL LIBRARY CARD. WORKSHOPS ARE TENTATIVELY ON IDENTIFICATION OF THE DAISY OR SUNFLOWER FAMILY (DYC'S) AND FERNS. LET ME KNOW WHAT YOU ARE INTERESTED IN. REGISTRATION FORMS AND FULL DETAILS WILL BE IN THE NEXT ISSUE OF THE GAILLARDIA. FOR MORE INFORMATION, CALL DR. CONNIE TAYLOR (605) 926-0121 EXT. 2209.

THE HUNT FOR CHISOS RED OAK

BY JOE MCENTIRE (CRIBBED FROM THE NATIVE PLANT SOCIETY OF TEXAS NEWSLETTER.)

I WAS AREA CONSERVATIONIST FOR THE SOIL CONSERVATION SERVICE AT ABILENE, TEXAS IN 1975 WHEN NENNY SIMPSON CALLED JOE R. NORRIS, STATE RANGE CONSERVATIONIST, AND MYSELF. HE WANTED TO SEE IF WE WOULD HELP HIM IN LOCATING SOME CHISOS RED OAKS, *QUERCUS GRAVESII*, THAT WERE SUPPOSED TO EXIST IN THE VICINITY OF THE PECOS RIVER WHERE IT ENTERS THE RIO GRANDE.

WHILE RESEARCHING SOME OLD RECORDS HE HAD COME ACROSS INFORMATION THAT SHOWED THE CHISOS RED OAK HAD BEEN FOUND BY THE INTERNATIONAL BOUNDARY COMMISSION ABOUT 1868 IN LIMPA CANYON NEAR THE MOUTH OF THE PECOS RIVER. LIMPA CANYON DID NOT SHOW ON ANY MAPS BUT HE KNEW THAT JOE NORRIS AND I MADE SEVERAL TRIPS TO LAKE AMISTAD EACH YEAR TO FISH AND EXPLORE ITS PLANT LIFE ON FORMERLY INACCESSIBLE CLIFFS ALONG THE CANYONS OF THE RIO GRANDE, AND WERE FAMILIAR WITH THE LAKE'S FEATURES. WHILE STATIONED AT UVALDE, TEXAS, I HAD WRITTEN AN ARTICLE FOR THE OCTOBER 1971 SOIL CONSERVATION MAGAZINE TITLED "QUEST FOR A RARE TREE". THE ARTICLES CONCERNED THE TEXAS PISTACHE, *PISTACIA TEXANA*, WHICH CLINGS TO THE ROCKY SLOPES ----- (CONTINUED ON PAGE 8)

The Gaillardia

THE ANNUAL MEETING AGENDA

BY FRANK CARL

OCTOBER 24, FRIDAY

5:00 P.M. TO 7:00 P.M. ARRIVE AT GROUP CAMP 2 (IN ROMAN NOSE STATE PARK - SEE GOLD INSERT FOR MAP) REGISTER AND SIGN-UP FOR WORKSHOPS & FIELD TRIPS. DINNER ON YOUR OWN
7:00 TO 8:00 P.M. MR. STEVE RIEBERICH WILL PRESENT A PROGRAM ON NATIVE TREES AND TREES ADAPTIVE TO OKLAHOMA.

8:00 TO 9:00 P.M. PAT FOLLEY WILL LEAD A NOSTALGIA TRIP THROUGH THE HISTORY OF THE ONPS, USING SLIDES TAKEN BY SEVERAL MEMBERS. THOSE WITH SLIDES TO LEND MAY BRING THEM DURING REGISTRATION PERIOD.

OCTOBER 25, SATURDAY

6:45 TO 7:15 A.M. EARLY MORNING BIRDING
7:30 TO 8:30 A.M. BREAKFAST* PICK UP SACK LUNCHES* FOR FIELD TRIPS.
9:00 TO 11:30 A.M. FIELD TRIPS AND WORKSHOPS
12:00 TO 1:00 LUNCH TIME
1:00 TO 4:30 P.M. FIELD TRIPS AND WORKSHOPS
5:30 TO 6:30 P.M. DINNER*
6:45 TO 7:45 P.M. BUSINESS MEETING - ELECTION OF OFFICERS & BOARD. VOTE ON 1998 ANNUAL MEETING.
8:00 TO 9:00 P.M. ADDRESS BY DR. ELROY L. RICE ON THE VEGETATION OF OKLAHOMA. DR. RICE IS A RETIRED PROFESSOR OF BOTANY AT THE UNIVERSITY OF OKLAHOMA AND THE AUTHOR OF SEVERAL BOOKS ON BOTANY AND BOTANISTS IN THE AREA.

OCTOBER 26, SUNDAY

7:30 - 8:30 A.M. BREAKFAST* THE EXECUTIVE BOARD WILL HAVE A WORKING BREAKFAST-MEETING.
8:30 - 9:30 A.M. BREAK CAMP - CLEAN UP BUNK-HOUSES & DINING HALL
9:30 - 11:30 A.M. TOUR HIKING TRAILS WITHIN THE PARK

*MEALS MUST BE PREPAID. USE THE GOLD INSERT FORM.

NOTE: RED ROCK CANYON, LOCATED ON THE SOUTH EDGE OF WINTON, OKLAHOMA HAS A STATE RECORD TREE, A BOX ELDER. THE PARK IS LOCATED ON THE ROAD BACK TO OCC (SOUTH OF 1-40 ON SH 8/US281) IT IS ALSO HOME TO A REMNANT POPULATION OF ACER SACCHARUM, (CADDO MAPLES), WHICH PUT ON A SPECTACULAR FALL COLOR.

(THE HUNT FOR CHISOS..., CONTINUED FROM P. 7)

ALONG THE PECOS RIVER AND UPPER PART OF LAKE AMISTAD CANYON WALLS. HE FELT WE MIGHT BE ABLE TO LOCATE THE AREA WHERE THE CHISOS RED OAK WAS GROWING. IT SOUNDED INTERESTING SO WE AGREED TO MAKE A BOTANY EXPLORATION TRIP WITH NENNY WHICH RESULTED IN FINDING THREE NATIONAL CHAMPION BIG TREES IN ONE DAY.

NENNY PROVIDED US WITH DESCRIPTIONS OF THE GENERAL AREA HE WANTED TO GO SEE AND I TOOK HIM TO A CANYON NORRIS AND I SUSPECTED MIGHT BE THE ONE HE WANTED TO LOCATE. IT WAS A VERY ROCKY CANYON AND HAD LARGE BOULDERS STICKING OUT OF THE WATER. I COULD GET MY

BOAT ONLY A SHORT DISTANCE INTO THE CANYON BEFORE WE HAD TO BEACH IT AND START OUR SEARCH ON FOOT. AFTER A SHORT DISTANCE OF CLIMBING OVER ROCKS AND PUSHING THROUGH UNDERBRUSH OF ALL KINDS, WE CAME UPON A VASEY OAK, QUERCUS PUNGENS, VAR. VASEYANA. IT WAS THE LARGEST THAT ANY OF US HAD EVER SEEN SO WE TOOK TRUNK, HEIGHT AND CROWN MEASUREMENTS AND MADE SOME 35MM SLIDES, SINCE WE SUSPECTED IT MIGHT BE A CHAMPION.

AFTER LEAVING THIS AREA AND VIEWING THE BEAUTIFUL PLANTS GROWING ALONG THE CLIFFS, WE CAME TO AN AREA WHERE SEVERAL TEXAS PISTACHE WERE LOCATED. ONE OF THESE WAS BY FAR THE LARGEST I HAD EVER SEEN SO WE MEASURED IT AND DOCUMENTED THE NEEDED INFORMATION BEFORE CONTINUING ON UP THE CANYON. AS WE GOT INTO THE MORE OPEN AREA OF THE CANYON WE STARTED FINDING THE CHISOS RED OAKS. WHILE RESTING FROM OUR CRAWLING OVER ROCKS, TREES AND BRUSH WE NOTICED AN EXCEPTIONALLY BEAUTIFUL CHISOS RED OAK TREE IN AN AREA WHERE THE CANYON WIDENED OUT. ONCE AGAIN WE GOT OUT THE EQUIPMENT AND STARTED MEASURING.

ON FEBRUARY 6, 1976 WE WERE NOTIFIED BY THE AMERICAN FORESTRY ASSOCIATION THAT ALL THREE TREES WERE NATIONAL CHAMPION BIG TREES AS WELL AS BEING STATE CHAMPIONS. WE WERE VERY PROUD OF OUR DAYS WORK AND PROBABLY WOULD NEVER HAVE LOCATED THESE THREE NATIONAL CHAMPIONS IF IT HADN'T BEEN FOR NENNY'S INTEREST IN FINDING AN AREA EAST OF THE PECOS RIVER WITH CHISOS RED OAKS THAT HAD BEEN MENTIONED IN DOCUMENTS OVER 120 YEARS OLD.

Form E-21
File 3. 53

INDEX
STATE _____
NATIONAL _____

**NOMINATION FORM
STATE CHAMPION BIG TREE PROGRAM**

Sponsored by
Texas Forest Service
The Texas A & M University System

- Common name: VASEY OAK
- Scientific name: QUERCUS PUNGENS VAR. VASEYANA (BUNY.) CHALM.
- Name and mailing address of owner: U.S. Department of Tele. Terrestri
- Physical condition when measured: Excellent

5. In the space below, draw a map showing the location of your tree from the nearest designated state highway and town. (Give point to point distances to the tree.)

101° 20' West Longitude
25° 40' North Latitude

Total Height (134 ft.)
Average Crown Spread (37.7 ft.)
Total Inches of Stem Circumference (1.5 in.)
4 1/2"

- County: Val Verde
- Nominator's name and address: Benny J. Wiggins (Box 42, Bonner, Texas)
McEntire & I.A. Morris, (SCS Abilene) Date Nominated: 11-26-75

NOTE: A black and white photograph of the entire tree, and a close-up photograph of the stem should accompany this nomination form.

JAH/oc
6/11/76

NORTHEAST NEWS

BY BETTY KEMM, FIRST PRESIDENT OF ONPS AND RECENTLY-RETIRED CHAIRMAN OF THE NE CHAPTER

NORTHEAST CHAPTER SUPPORTED THE WHITE-OAK PRAIRIE FIELD TRIP, WHICH TURNED OUT TO BE A STATE-WIDE EVENT DUE TO POPULAR DEMAND, AND ENJOYED A LATE SPRING VISIT TO THE NEWLY-RENAMED OKLAHOMA GRASS-PINK (AN ORCHID) IN MAY. BOTH THOSE EVENTS WERE LED BY JIM NORMAN OF MUSKOGEE.

PLANNED EVENTS THIS FALL INCLUDE: LORETTA BOWERS, OWNER OF CLEAR CREEK FARM, WILL SPEAK AT THE SEPTEMBER 8 MEETINGS ABOUT RAISING BUTTERFLIES. (WE REGRET THAT THIS NEWSLETTER WILL NOT BE OUT WHEN THAT MEETING CONVENES. HOPE YOU FOUND OUT IN TIME)

THE FALL FIELD TRIP WILL TAKE PLACE ON SATURDAY, SEPTEMBER 13 AT MOHAWK PARK'S NORTH WOODS, BUT WILL CONVENE IN THE PARKING LOT AT OXLEY NATURE CENTER AT 9 A.M.

THE NEXT PLANNED MEETING DATE IS 1 DECEMBER AT THE TULSA GARDEN CENTER. WATCH FOR ANNOUNCEMENTS, OR CALL BETTY KEMM AT (918)762-4351. FOLKS WHO ATTEND CHAPTER MEETINGS ARE PLACED ON A POSTCARD MAILING LIST AND THUS NEVER HAVE A WORRY ABOUT MISSING ONE!

MIDSOUTH NATIVE PLANT CONFERENCE

(WE'RE RUNNING THIS ANNOUNCEMENT ON THE CONFERENCE, EVEN THOUGH WE KNOW IT IS THE SAME WEEKEND AS OUR ANNUAL MEETING.)

THE MID-SOUTH NATIVE PLANT CONFERENCE WILL BE HELD IN MEMPHIS, TENN. ON OCTOBER 24 - 26, 1997. THERE WILL BE FIELD TRIPS, GARDEN TOURS, INTEREST SESSIONS, AND PLANT SALES IN ADDITION TO THE REGULAR MEETINGS. INTERNATIONALLY KNOWN AUTHOR AND LECTURER JUDY GLATTSTEIN WILL BE THE KEYNOTE SPEAKER ON FRIDAY. OTHER GUEST SPEAKERS INCLUDE UNIVERSITY OF DELAWARE INSTRUCTOR GARY SMITH AND DALE HENDRICKS OF NORTH CREEK NURSERIES, WHO IS A SPECIALIST AND NATIVES AND ENVIRONMENTALLY RESPONSIBLE EXOTICS. PROFESSIONALS FROM SEVERAL AREAS OF THE MID-SOUTH WILL BE LEADING THE FOCUS SESSIONS IN THEIR FIELDS OF EXPERTISE.

THE CONCURRENT INTEREST SESSIONS ALLOW FOR A VARIETY OF NATIVE PLANT-RELATED FOCUS GROUPS. FERNS, MOSSES, MAGNOLIAS, AND FAVORITE NATIVE TREES WILL BE DISCUSSED IN SEPARATE SESSIONS. ALSO OFFERED ARE SESSIONS ON PLANTING A RESIDENTIAL PRAIRIE; CREATING REALISTIC WATER AND STONE FEATURES IN THE NATIVE GARDEN, CREATING A BOG OR SWAMP ENVIRONMENT, UTILIZING PUBLIC LAND TO PROMOTE NATIVE PLANT APPRECIATION, AND EVEN ON GARDENING WITH CHILDREN, WHICH WILL DISCUSS INTRODUCING NATIVE PLANTS IN THE PUBLIC SCHOOL LANDSCAPE. PROPAGATION WILL BE COVERED IN TWO WORKSHOPS: ONE FOR THE HOME GARDENER AND ANOTHER ON LARGE SCALE PROFESSIONAL

PRODUCTION. SELECTING, NAMING, AND INTRODUCING SOUTHEASTERN NATIVE PLANTS WILL BE COVERED, AND ANOTHER WORKSHOP WILL GET INTO DOWN AND DIRTY GARDENING TECHNIQUES.

A PICNIC BANQUET, SPECIAL T-SHIRT, AND THE TOURS ARE ALL INCLUDED IN THE REGISTRATION PRICE OF \$85. IF REGISTRATION IS SENT IN PRIOR TO OCTOBER 1, THE PRICE IS \$70. FOR BROCHURE AND REGISTRATION FORM, WRITE TO MSNPP, INC, 5992 QUINCE RD., MEMPHIS, TN 38119, OR CALL (901) 680-9756.

GLOBAL RELIEF

BY DAVID C. NORTHINGTON, EX. DIRECTOR OF THE NATIONAL WILDFLOWER RESEARCH CENTER (CLIPPED FROM WILDFLOWER, THEIR NEWSLETTER)

IN A COMPLICATED WORLD WITH COMPLEX ECOLOGICAL AND ENVIRONMENTAL PROBLEMS, THERE ARE NO EASY SOLUTIONS OR QUICK FIXES; WE SHOULD GUARD AGAINST ADDRESSING ANY SINGLE ASPECT OF A COMPLEX SYSTEM WITHOUT CONSIDERING HOW THAT ACTION MIGHT AFFECT THE REST OF THE SYSTEM.

A VERY REAL EXAMPLE OF THIS PROBLEM IS THE LARGE NUMBER OF USUALLY WELL-INTENTIONED (BUT NOT FULLY THOUGHT-THROUGH) TREE PLANTING INITIATIVES. "RE" PLANTING TREES THA HAVE BEEN CLEARED FOR URBAN GROWTH IMPLIES THAT THE NATIVE TREES THAT WERE CLEARED WILL BE REPLACED WITH THOSE SAME NATIVE SPECIES.

BUT MANY OF THESE PROGRAMS INSTEAD RECOMMEND PLANTING "EXOTIC" TREES THAT ARE INTRODUCED FROM OTHER CONTINENTS. EVEN IF THEY ARE "SELECTED" FOR YOUR HARDINESS ZONE, OR ARE "DROUGHT-TOLERANT" OR "NATURALIZED", IT DOES NOT MEAN THEY WILL FIT INTO LOCAL ECOLOGICAL INTERACTIONS. THIS IS TRUE EVEN FOR TREES NATIVE TO NORTH AMERICA, OR TO YOUR REGION OR STATE, IF THEY ARE NOT NATIVE TO THE AREA WHERE THEY ARE BEING PLANTED.

EXOTIC ORNAMENTAL TREES OFTEN CONSUME MANY RESOURCES, INCLUDING WATER, SOIL AMENDMENTS, FERTILIZERS, AND PEST CONTROL. ADDITIONALLY, THEY USUALLY DO NOT REPRODUCE, SO "REPLACEMENT" BEGINS ANEW WHEN THE TREE DIES, WHICH IS OFTEN IN THE FIRST FEW YEARS. IF YOU BLINDLY PLANT SUCH A TREE, YOU MAY DO SO AT A HUGE NET ECOLOGICAL RESOURCE LOSS.

ADMITTEDLY, SOME EXOTICS DO NOT REQUIRE ADDITIONAL WATERING, FERTILIZING, SPRAYING, ETC., THEY ARE "JUST AS GOOD AS A NATIVE". BUT ECOLOGICALLY, WHAT DO THEY PROVIDE? THEY DO NOT PROVIDE WILDLIFE HABITAT, SOIL MICROBE INTERACTION, OR OTHER ECOSYSTEM INVOLVEMENT, AND THEY DO OCCUPY SPACE THAT A TRUE NATIVE - - THAT WOULD CONTRIBUTE TO THE LOCAL ECOSYSTEM - - COULD OCCUPY INSTEAD. SO, WHILE SUCH NATURALIZED EXOTICS MAY NOT BE A RESOURCE DRAIN, THEY MAKE FEW, IF ANY, CONTRIBUTIONS BEYOND AESTHETICS, SUCH AS FLOWERING OR SHADE. THEY DO NOT ECOLOGICALLY REPLACE WHAT WAS ONCE THERE.

ANOTHER ARGUMENT FOR "PLANTING A MILLION TREES" IS -(CONT. ON PAGE 10)

The Gaillardia

CENTRAL CHAPTER CHATTER

BY SHEILA STRAWN, CHAPTER CHAIRMAN

WHAT WE DID THIS SUMMER: PULLED WEEDS, WATERED, HUNTED FOR TICKS, SPREAD CORTISONE CREAM IN HARD-TO-REACH PLACES..... OH, WHAT WE DID AS A GROUP WAS HAVE A WALKING TOUR OF SUSAN AND WAYNE CHAMBERS' HOME GROUNDS. IF ANYONE MISSED IT, I DON'T SEE HOW: WE HAD OVER FIFTY PEOPLE SHOW UP (AND IT WAS HOT AND SULTRY, TOO). I MUST SAY, THEY WERE ASREEABLE ABOUT THE CONDITIONS. MUST HAVE BEEN INFLUENCED BY THE BEAUTIFUL, NATURALISTIC PLANTINGS THAT THE CHAMBERS' HAVE BEEN IMPROVING OVER THE YEARS. THERE IS WATER EVERYWHERE, IN PUDDLES AND POOLS AND A WATERFALL RIMMED WITH ROCKS, AND THE WILDLIFE THAT GOES WITH ALL THAT: FROSS AND WATER LILIES AND GROUND COVERS.

THE LONG-PLANNED AND MUCH-POSTPONED WORK SESSION ON USING THE NEW KEYS TO OKLAHOMA PLANTS WILL BE HELD ON THE DAY THIS NEWSLETTER IS MAILED. WE'LL LET YOU KNOW HOW IT TURNS OUT.

OUR REGULAR LAST-MONDAY-OF-THE-MONTH EVENING MEETINGS WILL RESUME ON 29 SEPTEMBER AT THE USUAL LOCATION: OSU TECH'S HORTICULTURE CENTER AT 4TH AND PORTLAND, OKC, AT 7:30 P.M. JIM OTTMAN WILL BRING US A PROGRAM ON BATS. WHAT DO BATS HAVE TO DO WITH NATIVE PLANTS? COME AND FIND OUT.

REMEMBER, OUR MEETINGS ARE ALWAYS OPEN TO THE PUBLIC, AND THERE IS NEVER ANY CHARGE FOR ADMISSION. BRING A FRIEND!

THEN, ON MONDAY, OCTOBER 23 (YES, THE DAY AFTER THE ANNUAL MEETING ENDS), PAT FOLLEY WILL SHOW THE NEW "EXPORTABLE" PROGRAM ON NATIVE PLANTINGS FOR WILDLIFE. COME CHECK IT OUT AND THEN FIND A CLUB OR CLASSROOM TO SCHEDULE IT TO.

THIS WILL BE A GOOD TIME TO EXCHANGE SEEDS AND SURPLUS PLANTS, TOO. BRING WHAT YOU HAVE AND TAKE WHAT YOU CAN USE. SMALL POTS ARE ALWAYS WELCOME, AS ARE ENVELOPES OR PLASTIC BAGS, IF YOU CAN SPARE ANY.

NEXT, ON 26 NOVEMBER, DR. LARRY HASRATH, WHO PROFESSES BOTANY AT USAO IN CHICKASHA, WILL BRING A PROGRAM ON THE GENUS PENSTEMON.

TEST YOUR TENDENCIES!

ARE YOU THE KIND OF PERSON WHO:

(1) STOPS TO SMELL THE ROSES, (AND DAISIES, AND SUNFLOWERS, AND PASSIONFLOWERS, AND...ON & ON)

(2) TAKES THE LONG WAY HOME, AND SOMETIMES ON THE WAY OUT AS WELL, JUST TO SEE WHAT IS ALONG THE WAY!

(3) THINKS THE SPEED LIMITS ARE TOO HIGH, BECAUSE IT'S IMPOSSIBLE TO APPRECIATE THE SCENERY AT 55?

(4) READ "BLUE HIGHWAYS" BY WILLIAM LEAST HEATMOON A FEW YEARS AGO, AND HAVEN'T BEEN THE SAME SINCE?

IF YOU ANSWERED YES TO MOST OF THE ABOVE, YOU MAY BE INTERESTED IN A JUST-FOR-FUN "CLUB" THAT RUTH NOYD AND PAT FOLLEY INVENTED ON A LONG ROAD TRIP ONCE, THAT WE CALL THE SHUNPIKERS' SOCIETY. STILL WITH ME? THERE ARE NO DUES AND NO MEETINGS, BUT WE DO ONCE IN A WHILE MAKE UP MEMBERSHIP CARDS THAT ENTITLE YOU TO DRIVE 5 MILES UNDER THE POSTED LIMIT, TAKE PICTURES OF YOUR KIDS SITTING IN FIELDS OF WILDFLOWERS, AND AVOID THE JET-TRAILS OF THOSE TRACTOR-TRAILER ROAD HOGS ON THE INTERSTATE.

JUST SEND A SELF-ADDRESSED, STAMPED ENVELOPE TO PAT FOLLEY AT 15100 ETOWAH ROAD, NOBLE, OK 73067, AND TELL ME HOW YOU WANT YOUR NAME SPELLED. MORE THAN ONE TO AN ADDRESS IS NO PROBLEM. WE DON'T KEEP MEMBERSHIP LISTS BECAUSE THIS IS SUPPOSED TO BE FUN, SO YOU WON'T BE BOTHERED BY THREATS FROM THE SPEED MAFIA OR OFFERS OF GASOLINE UPGRADES. YOU'D BE SURPRISED TO SEE SOME OF THE WALLETS THAT SPORT OUR MEMBERSHIP CARDS!

(CONTINUED FROM PAGE 9: "GLOBAL RELIEF")

.....THE BELIEF THAT THEY WILL ABSORB CARBON DIOXIDE, THUS REDUCING THE GLOBAL WARMING CAUSED BY THE GREENHOUSE EFFECT. ALTHOUGH THIS SOUNDS GOOD IN THEORY, IT IS NOT CLEAR HOW SERIOUS THE GREENHOUSE EFFECT IS, AND ECOLOGISTS DO NOT AGREE ON WHETHER A MILLION TREES (OR EVEN A BILLION) WILL ABSORB EVEN AS MUCH CARBON DIOXIDE AS WAS PRODUCED BY THE PROPAGATION, DELIVERY AND PLANTING PROCESS, LET ALONE PROVIDE ANY MEASURABLE MITIGATION OF GLOBAL WARMING.

THE ECOLOGICAL RESULTS OF REMOVING NATIVE PLANTS, HOWEVER, IS WELL DOCUMENTED. NATIVE PLANTS PROVIDE THE BASE OF THE FOOD CHAIN FOR ALL WILDLIFE, THEY ARE SOURCES OF OXYGEN PRODUCTION, AND THEY ARE THE ONLY ORGANISMS CAPABLE OF CONVERTING LIGHT ENERGY TO A FORM OF ENERGY THAT ALL LIFE ON EARTH CAN USE. REMOVING NATIVE WILDFLOWERS, GRASSES, SHRUBS AND TREES HAS RESULTED IN MANY ECOLOGICAL PROBLEMS THAT PLANTING AN EXOTIC TREE DOES NOT ADDRESS, AND MAY WELL MAKE WORSE.

SO IF YOU WISH TO TAKE ACTION ON ECOLOGICAL PROBLEMS, PLANT A TREE NATIVE TO YOUR AREA. YOU WILL ADDRESS PROBLEMS WITH A TOTAL RESOURCE CONSERVATION APPROACH, NOT A NO-GAIN OR, WORSE, A NET RESOURCE LOSS. DOING SOMETHING IN THE NAME OF ECOLOGICAL GOOD IS ONLY VALID IF THAT GOOD IS NOT OFFSET BY NEGATIVE ECOLOGICAL CONSEQUENCES.

ONPS WELCOMES THESE NEW MEMBERS:

- LOIS E DELACY, TULSA
- MRS. JOAN MCCOMAS, COWETA
- STEVE & MARGARET THOMPSON, STILLWATER
- THERESA BOSMA, ENID
- ANITA WAMPLER, LINDSAY
- JENNIE SUE MESA, OKLAHOMA
- MELODIE WAKELEE, MIDWEST CITY
- C. K. WESTBROOK, MOORE
- JOAN WOODY-LINDLEY, MIDWEST CITY
- VIRGINIA HODGE, NOBLE
- JOANNA SIMPSON, TULSA
- JO SOSKE & CAREN LEHR, OKLAHOMA CITY
- FRANCES MACY, EDMUND
- LINDA GREENE, IDABELL
- TOM & DOORS AVANTS, NOBLE
- SUE HUSHART, CHECOTAH

KNOW ANY OF THESE GOOD FOLKS? GIVE THEM A CALL OF WELCOME AND OFFER TO TAKE THEM TO A MEETING OR FIELD TRIP. WE'RE GLAD TO HAVE THEM.

URBAN LANDSCAPING PUBLISHED BY RUTH ROYD, PUBLICITY CHAIR

KATHY DRAPER, OF DRAPER COMMUNICATIONS OF OKC, HAS WRITTEN A BOOK CALLED "URBAN LANDSCAPING FOR OK WILDLIFE", WHICH WILL BE ESPECIALLY INTERESTING TO ONPS MEMBERS. THE BOOK WAS FUNDED BY AN URBAN AND COMMUNITY FORESTRY GRANT,

WITH COLORFUL COVERS PROVIDED BY PSO, AND PUBLISHED BY THE OKLAHOMA WILDLIFE FEDERATION. THE BOOK EMPHASIZES THE USE OF TREES BUT DOES BRIEFLY DISCUSS SOME OTHER PLANTINGS.

THE BOOK IS 57 PAGES, SPIRAL BOUND, AND ITS BIBLIOGRAPHY INCLUDES JOHN & CONNIE TAYLOR'S "AN ANNOTATED LIST OF THE FERNS, FERN ALLIES AND GYMNOSPERMS AND FLOWERING PLANTS OF OKLAHOMA", PAUL BUCK'S DISTRIBUTION AND IDENTIFICATION OF WOODY PLANTS OF OKLAHOMA IN WINTER CONDITION, DARLENE MICHAEL'S "NATIVE PLANTS SELECTION GUIDE FOR OKLAHOMA WOODY PLANTS", DONLE MCCOY'S "ROADSIDE WILDFLOWERS OF OKLAHOMA" AND THIS NEWSLETTER, "THE GAILLARDIA". IN ADDITION, THE CONTRIBUTIONS OF OUR MEMBERS MARK HOWERY, DARLENE MICHAEL AND RUTH BOYD WERE ACKNOWLEDGED WITH THANKS.

THE BOOK IS FREE OF CHARGE IF PICKED UP AT THE OKLAHOMA WILDLIFE FEDERATION OFFICE IN OKLAHOMA CITY AND MAY BE ORDERED FOR \$5 TO COVER POSTAGE AND HANDLING FROM: OWF, 3900 N. SANTA FE, OKC 73118. A FEW COPIES WILL BE AVAILABLE AT THE ANNUAL MEETING IF YOU WISH TO SEE ONE BEFORE ORDERING. THE BOOKS BY TAYLOR, BUCK, MICHAEL AND MCCOY WILL BE AVAILABLE FOR SALE AT THE ANNUAL MEETING.

MEMBERSHIP RENEWAL FORM

Please renew my membership in the Oklahoma Native Plant Society, or add the name below to the membership list in the category checked.

NAME _____ HOME PHONE () _____

AFFILIATION (School, Business or Avocation) _____

ADDRESS _____ BUSINESS PHONE() _____

CITY _____ STATE _____ ZIP _____ please don't list my phone

_____ \$15.00 Family _____ \$10.00 Individual _____ \$5.00 Student _____ Gift from _____

LIFE MEMBERSHIP _____ \$300.00 Family _____ or \$200.00 Individual. Renewal New Member

DONATION TO: ANNE LONG FUND _____ HARRIET BARCLAY FUND _____

I am enclosing an additional \$2.50 (to cover cost of printing and mailing) for a complete ONPS directory.

Please make checks payable to Oklahoma Native Plant Society and mail to: Oklahoma Native Plant Society / 2435 South Peoria / Tulsa, OK 74114

The Gaillardia

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Gaillardia articles may be reprinted at will. Please acknowledge the source and author!

FOW PHOTO CONTEST

Our companion organization, the Friends of the Wichitas, (FOW), has announced its own photo contest, open to the public. Photos will be used for displays and educational purposes.

Rules include: must be taken on the Wichita Wildlife Refuge, entry must be postmarked before 1 December 1997, prints only, 4 x 6" to 5 x 7", maximum of 6 entries by any one contestant, labels attached with the contestant's name, address, phone number, category of entry and name and location of the subject. An entry fee of \$2 will cover all the photos for each entrant.

The three categories are: 1) Native Plants; 2) Animals; and 3) Landscapes and Landmarks. Prizes are First, \$50; second, \$25; third, \$15.

Awards will be made at the January 1998 FOW meeting.

Mail entries to FOW Photography Contest, Attn: Paul Reimer, 1105 NW Becontree Drive, Lawton, OK 73505-4001. Phone (405)536-5488.

Entries should be accompanied by a paper bearing the entrant's name, address, phone number, the total number of entries submitted, and the categories entered.

The best pictures will be mounted on a poster to be displayed in the WMWR Visitors Center.

HEY, LOOKT YOUR LABEL IF THE EXPIRATION DATE ISNT '97 OR LATER, SEND IN YER DUES. WE DONT WANT TO LOSE YOU! IF YOU MOVE, TELL US: BULK MAIL (CHEAP!) DOESNT FORWARD STUFF.

OKLAHOMA NATIVE PLANT SOCIETY
C/O TULSA GARDEN CENTER
2435 SOUTH PEORIA
TULSA, OK 74114

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