

2007

**PULASKI COUNTY MASTER GARDENERS
Board Meeting**

The Pulaski County Master Gardener Board met on Tuesday, January 16, 2007, at 10 a.m. at St. James Methodist Church. Present were Jet Cuffman, Mary Freeman, Sandy Harrison, Beth Phelps, Jim Dyer, Don Davis, Jim Silvi, Jackie Wright, Judy Woodard, and Marilyn Tilley. Chair, Marilyn Tilley presided.

The minutes of the November meeting were accepted as circulated.

The Treasurer's Report was given by Treasurer, Mary Freeman. The treasury has \$1346 less than in January.

Old Business

- Don Davis announced that all of the Standing Committee Chairs are filled
- Jim Dyer has slides for the New Committee Chair Orientation Program. Handouts will be copies of the power points. It will be January 15th, 1:30 to 3 p.m. at the Hays Center. The Social Committee will provide refreshments.
- The Budget Committee Report was unanimously accepted as our budget for year 2007. It will be put on the sticky board and also published in the newsletter. The treasurer's monthly report will be in the budget format and will include monthly transactions.
- Don Ford's proposal on project hours was discussed.
- Marilyn announced that the Directory will be ready next month. Members can pick it up when they pay their dues.

New Business

- Leave of Absence Requests for 2006 were approved for Connie Staley, Cindy Summerville, Joan Bullard and Jenny Jackson.
- Beth announced that award Nominations for 1) Friend of PCMG and 2) Project of the Year will be voted on at the membership meeting.
- Don Davis reported that he had some interesting programs planned for the coming year.

Respectfully submitted,

Jackie Wright, Secretary

FULASKI COUNTY MASTER GARDENERS

~~Board Meeting~~

Tuesday, January 16, 2007

10:00 a.m.

The Fulaski County Master Gardener Board met on Tuesday, January 16, 2007, at 10 a.m. at St. James Methodist Church. Present were Jet Cuffman, Mary Freeman, Sandy Harrison, Beth Phelps, Jim Dyer, Don Davis, Jim Silvi, Jackie Wright, Judy Woodard, and Marilyn Tilley. Chair, Marilyn Tilley presided.

The minutes of the November meeting were accepted as circulated.

The Treasurer's Report was given by Treasurer, Mary Freeman. She submitted written reports for November and December. The treasury has \$1346 less than in January because we paid some 2005 bills in 2006. The Master Gardener Training room cost was \$500.

Old Business

- Don Davis announced that all of the Standing Committee Chairs are filled
- Jim Dyer has made slides for presentations at the New Committee Chair Orientation Program. Handouts will be copies of the power points. The program will be from 1:30 to 3 p.m. at the Hays Center January 25th. The Social Committee will provide refreshments.
- The Budget Committee Report was discussed as distributed by e-mail. The report was unanimously accepted as our budget for year 2007. It will be put on the sticky board and also published in the newsletter. The treasurer's monthly report will be in the budget format and will include monthly transactions.
- Don Ford's proposal on project hours was discussed.
- Marilyn announced that the Directory will be ready next month. Members can pick it up when they pay their dues.

New Business

- Leave of Absence Requests for 2006 were approved for Connie Staley, Cindy Summerville, Joan Bullard and Jenny Jackson.
- Beth announced that award Nominations for 1) Friend of PCMG and 2) Project of the Year will need to be voted on at the membership meeting.
- Don Davis reported that he had some interesting programs planned for the coming year.

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS Board Meeting

The Pulaski County Master Gardener Board met on Tuesday, February 20, 2007, at 10 a.m. at St. James Methodist Church. Present were Jet Cuffman, Mary Freeman, Sandy Harrison, Beth Phelps, Jim Dyer, Don Davis, Jim Silvi, Jackie Wright, Judy Woodard, and Merilyn Tilley. Chair, Merilyn Tilley presided.

The minutes of the January meeting were accepted as circulated.

The Treasurer's Report was given by Treasurer, Mary Freeman. Mary reported that our current bank charges fees and she has found some banks that do not. Sandy moved that Mary be authorized to change banks. The motion was approved. A motion was made that Don Davis, Judy Woodard, and Jim Dyer be added to be authorized signatures at the new bank. The motion was approved.

Mary presented the new financial report, reporting the previous month's activity. She will change the category "Librarys" to "Master Gardener Libraries".

Old Business

- Beth reported that as of Friday there were 919 registered for the international meeting. 285 of those are volunteer registrations. She also reported that WalMart will be a sponsor and that Janet Carson is doing well after her surgery.

New Business

- Leave of Absence Request: Kate Altoff requested a leave of absence for 2006. The request was voted on and granted. Ben Jordan requested to be put on Sustainer status. The request was voted on and granted.
- The annual Memorandum of Understanding between Master Gardeners and the U of A was presented and signed.
- A request for \$250.00 from Greenhouse for a new motor was approved.
- A request for \$250 from the Art Center to replace potting soil with a water retentive soil was approved.
- Tracy Rhodes resigned from the Keep Arkansas Beautiful commission. A new representative will need to be appointed.
- Judy Woodard reported on the Search Committee study of our meeting place. The committee recommends that we continue meeting at St. James. The results of their survey is included with these minutes. They are acting as greeters stationed at various places in the church hallways to direct members to meeting places. The consensus was that we will ask her to reconvene the committee after St. James finishes construction and we are directed to a different room in which to meet. Issues such as refreshments will be revisited.
- Judy Chapman will schedule a work day at St. James.
- The President will appoint three members to serve on the audit committee.

Announcements

- The directory is here, thanks to the 3 P's, Committee, especially David Werling, Trudy Kumpe, and Vicky Kessel.
- A \$500 donation was received from Karen Seale. She trained in 2005 but was unable to honor her commitment.
- We received a thank you letter from Friends of the Old Mill.
- We received a thank you letter from the Louisiana State University Extension Service for a donation we made to assist them with recovery from Katrina.
- Debra Reding was appointed to the Little Rock City Beautiful Commission
- Sarah Hanson, Sunshine Chair, will provide a get well card for Janet Carson large enough for all members at the meeting to sign.
- Katrina Stockton has transferred her membership to Pulaski County from Kansas.
- Jenine Ratley will have a column in the newsletter about new members and changes for the directory.
- Dues will go up to \$20 after March meeting.
- Don Davis reported on programs.

Membership Meeting

The Pulaski County Master Gardeners met on Tuesday, February 20, 2007 at 11:30 a.m. at St. James Methodist Church. Chair, Merilyn Tilley presided.

- IMGCC registration still open. Hard copies available on request.
- The 3Ps Committee did a fantastic job on the directory.
- Directories will be handed out as dues are collected. All dues should be in by next month. Dues will go up to \$20 after the March meeting.
- A new committee, the Greeters, needs a few more members.
- 3Ps will meet after the membership meeting ends.
- A work day at St. James will be scheduled soon. Watch for an e-mail with the date and time.
- Jeanne Spencer announced that there will be individual gardens at the Flower & Garden Show and encouraged entrants.
- Travel committee will meet in Room 101.
- Pinnacle Project Committee will meet after the membership meeting.
- David Dodson reminded us to put up yard signs for the Flower & Garden Show.

Beth Phelps made the following announcements:

- Thank you notes are on the sticky board from the Friends of the Old Mill Committee and from the ASU Extension service for a donation made last year to help with Katrina recovery.
- Tom will meet with the soil samples team after the meeting.
- The telephones are starting to ring. The Telephone time book is in the sign-up area.
- We received a \$500 donation from Karen Steele.
- Over 900 have registered for the International meeting, about 300 volunteers. WalMart will be a sponsor.
- Carolyn Newbern, IMGCC tour committee chair will sign up volunteers out in the hall.
- Ray Sarmiento needs volunteers for the Flower & Garden show.

- Mary Evans reported that the F & G Show will be a Carousel of Gardens. They need volunteers. There will be a shuttle from War Memorial Stadium like last year.

PROGRAM

Don Davis introduced Dr. Stephen Vann, Extension Urban Plant Pathologist, who presented a program on Hostas.

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS
Board Meeting
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The minutes of the January meeting were accepted as circulated.

The Treasurer's Report was given by Treasurer, Mary Freeman. Mary reported that our current bank charges fees and she has found some banks that do not. Sandy moved that Mary be authorized to change banks. The motion was approved. A motion was made that Don Davis, Judy Woodard, and Jim Dyer be added to be authorized signatures at the new bank. The motion was approved.

Mary presented the new financial report, reporting the previous month's activity. She will change the category "Libraries" to "Master Gardener Libraries".

Old Business

- Beth reported that as of Friday there were 919 registered for the international meeting. 285 of those are volunteer registrations. She also reported that WalMart will be a sponsor and that Janet Carson is doing well after her surgery.

New Business

- Leave of Absence Request: Kate Altoff requested a leave of absence for 2006. The request was voted on and granted. Ben Jordan requested to be put on Sustainer status. The request was voted on and granted.
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- Judy Chapman will schedule a work day at St. James.
- The President will appoint three members to serve on the audit committee.

Announcements

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- A \$500 donation was received from Karen Seale. She trained in 2005 but was unable to honor her commitment.
- We received a thank you letter from Friends of the Old Mill.
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- Sarah Hanson, Sunshine Chair, will provide a get well card for Janet Carson large enough for all members at the meeting to sign.
- Katrina Stockton has transferred her membership to Pulaski County from Kansas.
- Jenine Ratley will have a column in the newsletter about new members and changes for the directory.
- Dues will go up to \$20 after March meeting.
- Don Davis reported on programs.

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS
Board Meeting
Tuesday, March 20, 2007 10:00 a.m.

The Pulaski County Master Gardener Board met on Tuesday, March 20, 2007, at 10 a.m. at St. James Methodist Church. Present were Jet Cuffman, Mary Freeman, Sandy Harrison, Beth Phelps, Jim Dyer, Don Davis, Jim Silvi, Jackie Wright, Judy Woodard, and Marilyn Tilley. Chair, Marilyn Tilley presided.

The minutes of the February meeting were accepted as circulated.

The Treasurer's Report was given by Treasurer, Mary Freeman. Mary reported that she moved our bank account to the Bank of the Ozarks from Regions Bank and we are now earning a small amount of interest.

Mary presented the financial report, reporting the previous month's activity. Most members have paid their dues, only 14% are outstanding. Because of a problem at the State Extension Headquarters we will have a large invoice to pay this month, \$1,950 for the training notebooks for the 2005 class. We have not yet received a bill or paid for the books for the 2006 class. The balance in our bank accounts is \$21,738.06. Of this amount, the total of the funds on reserve is \$15,530.22. The bill for the pictorial directory was \$1,312.22. The financial report was accepted.

Old Business

- Beth reported that there will be a training meeting for IMGC volunteers on April 10, one in the morning and one in the afternoon.
- Marilyn reported that Bob Bumgardner agreed to chair the audit committee and will recruit two others to assist.
- Today is our workday at St. James.

New Business

- Pathfinders Greenhouse needs \$150 for supplies – potting soil, etc. They have started 250 flats for the Spring sale. The request for funds was approved.

Announcements

- Nancy Leonhardt will bring leftover Flower & Garden Show t-shirts and canvas bags to sell to members.
- Ray Sarmiento had a stroke a few days ago. His prognosis is satisfactory.
- Don Davis discussed future programs. In April there will be two PowerPoint programs. One will be given by Gina Norris about Parkhill Water Works Project, and one by Judy Woodruff about the Old Mill Project. The May program will be given by Larry Avril on Coleus; the June program will be a Master Gardener Panel.

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS

Special Board Meeting

Tuesday, March 20, 2007 11:30 a.m.

The Pinnacle Mountain Project committee requested a \$250 additional appropriation to fund purchase of wild flowers. After the regular board meeting and before the membership meeting, Chair, Marilyn Tilley, polled all board members except Jim Silvi, who could not be immediately found, and each board member voted to approve the request.

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS
Board Meeting Highlights

The Pulaski County Master Gardener Board met on Tuesday, March 20, 2007, at 10 a.m. at St. James Methodist Church. Present were Jet Cuffman, Mary Freeman, Sandy Harrison, Beth Phelps, Jim Dyer, Don Davis, Jim Silvi, Jackie Wright, Judy Woodard, and Merilyn Tilley. Chair, Merilyn Tilley presided.

The minutes of the February meeting were accepted as circulated.

The Treasurer's Report was given by Treasurer, Mary Freeman. Our bank account was moved to the Bank of the Ozarks from Regions Bank. We now earn a small amount of interest. Most members have paid their dues, only 14% are outstanding. Because of a problem at the State Extension Headquarters we will have a large invoice to pay this month, \$1,950 for the training notebooks for the 2005 class. We have not yet received a bill or paid for the books for the 2006 class. The balance in our bank accounts is \$21,738.06. Of this amount, the total of the funds on reserve is \$15,530.22. The bill for the pictorial directory was \$1,312.22. The financial report was accepted.

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- Today is our workday at St. James.

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Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS Membership Meeting Highlights

The Pulaski County Master Gardeners met on Tuesday, March 20, 2007 at 11:30 a.m. at St. James Methodist Church. Chair, Marilyn Tilley presided.

Beth Phelps made the following announcements:

- She has CDs for those who ordered them.
- The deadline to register for the International meeting is April 1. Volunteer assignments will be made in a few weeks.
- There will be two training sessions for IMGC volunteers. Volunteers may attend on April 10 at 9:30 a.m. or at 1:30 p.m. This is an opportunity to get your volunteer T-shirt and learn where everything is.
- 1,200 are registered for the IMGC meeting.
- New members please check calendars for the telephone time signed up for because the phones are ringing at the County Extension office.
- There will be a shuttle for IMGC from War Memorial. The trolley is also available from North Little Rock

Marilyn made the following announcements:

- A copy of the budget is on the sticky board.
- Today is our work day for St. James. There are all sorts of little jobs that need to be done.

Other reports are as follows:

- Nancy Leonhardt brought leftover Flower & Garden Show t-shirts and canvas bags to sell to members. The AR Flower & Garden Show donated \$1,000 to IMGC.
- Lois Corley announced the greenhouse sale will be April 14, 8 a.m. to 12 noon. They need used pots and trays. No 6-packs please.
- Don Ford reported that the Pinnacle Mountain Committee will go to Pine Ridge Gardens on March 30. Meet at the northwest corner of St. James parking lot. Also, the Carl Hunter Memorial will be dedicated April 20 at 1:30 p.m.
- Bob Bray reported for the Travel Committee. A number of ideas are on a handout on each chair in the meeting room. The first is on Thursday, April 26, carpool to an iris and peony farm in Cabot. Departure is 9 a.m. from the McCain Plaza. Another outing is scheduled for May 31, leaving McCain Plaza at 8 a.m. to travel to Ann Woods' spectacular garden near Searcy, then after lunch to Jeb Leggett's Custom Landscape and Design in Mt. Vernon, then to Joel Stout's Cricket Hill Nursery.

- Judy Bradsher, speaking for Mary Evans, thanked the volunteers who worked at the Flower & Garden Show.
- Mary Wildgen reported on the plans for the Taste of Arkansas event at IMGCC. Members are asked to suggest contributors.
- Dick Blankenbaker announced that Ray Sarmiento sends thanks to the volunteers at the Flower & Garden Show. Attendance was 10,675. Ray had a stroke a few days ago and is now progressing well at rehab.
- Carolyn Newbern still needs guides for tours. Bus docent orientation will also be on April 10 between the morning and afternoon programs at the State House Convention Center.

PROGRAM

Don Davis Introduced Sabrina Childs, from Ball Seeds, who told us where and how they grow their seeds, and about some of her favorite plants.

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS
Board Meeting

The Pulaski County Master Gardener Board met on Tuesday, April 17, 2007, at 10 a.m. at St. James Methodist Church. Present were Jet Cuffman, Mary Freeman, Sandy Harrison, Beth Phelps, Jim Dyer, Don Davis, Jim Silvi, Jackie Wright, Judy Woodard, and Marilyn Tilley. Also present were Dotty Heckenbach, Glenda Brazzel, and Barry Holt. Chair, Marilyn Tilley presided.

The minutes of the February meeting were accepted as circulated.

The Treasurer's Report was given by Treasurer, Mary Freeman. The report was accepted as presented.

Old Business

- Marilyn announced that Bob Bumgardner finished the audit and will send his committee's report to Mary.
- Beth announced that registration for the International Master Gardener Conference has closed with approximately 1200 registered, 20 from Canada.

New Business

- Martha Allen was granted a Leave of Absence.
- Glenda Brazzel and Barry Holt, co-chairs of the War Memorial Project requested a temporary expansion of their project boundaries (flower beds on the east and west corners of West Markham and Fair Park) to include the gardens beside the AARP building on West Markham. Their committee has enlarged because the State Hospital Project is not active at this time. The expansion will be until the State Hospital Project is reactivated. The request was approved.
- The IMGC committee requested that our bank account be used temporarily to provide banking services for the IMGC Store. They will reimburse us for any expenditures. The board approved the motion.
- The policy for earning education hours was amended to provide that up to five (5) points may be earned for reading gardening articles, watching TV gardening shows and listening to gardening programs on the radio.
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Announcements

- Beth announced that the big contributors (\$1,000 or more) to IMGC would be entertained on Friday night at the governor's mansion. PCMG has an invitation that will be used by Don Davis.

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS

The Pulaski County Master Gardeners Membership met on Tuesday, April 17, 2007 at St. James Methodist Church at 11:30 a.m. Chair, Marilyn Tilley, presided.

Announcements

- Last call for dues. They are now \$20.
- Thanks to those who helped at workday for St. James. Twenty-four stayed to help after the March meeting. St. James sent a thank you note to the PCMG board.
- The next Greenhouse Plant Sale will be April 28 8 a.m. to 11 a.m. They need trays and pots but not 6-packs. Also need mini blinds to make plant markers. All materials that are not used are sent to McPhearson Maximum Security Prison for Women, which has a horticulture program. They need all that we don't use. \$1600 plants sold at the last sale. \$821 worth distributed to our projects.
- Betty Henderson announced that the Little Rock Council of Garden Clubs Garden Tour will be April 20-21.
- Bob Bray announced that the next travel opportunity will be a car caravan to Mark Grumbine's Nursery on April 26.
- Don Ford announced that there will be a workday at Pinnacle. On Friday at 1:30 the Carl Hunter memorial will be dedicated.
- The social committee gave details about the Picnic on May 17, 6:30 to 8:30 at Camp Aldersgate. The food will be Bar BQ. There will be a plant exchange.
- Mary Roark, from the Herb Society announced that there will be a benefit Saturday, May 19th at 10 a.m. to benefit the Herb Society, to fund maintenance of the three gardens they maintain. Michael Schoup will be the speaker. Cost is \$25 for the program, \$35 for program and lunch.
- IMGC:
 - Mary Wildgen distributed a list of food sponsors for Taste of Arkansas, at the IMGC.
 - Carolyn Newbern said there will be 51 bus tours. Docent training will be after the meeting. More information will be later from the team captains.
 - Beth needs ice chests for the busses. Registration is closed. Volunteer assignments will be mailed soon.
 - IMGC T-shirts are available at the state office.
- Stuff orders will be placed April 30th. Be sure to use the new forms.
- Pictorial directories are available at the Pulaski County office. They are too expensive to mail.

Don Davis introduced the speakers: Judy Woodard and Judy Bradsher gave power point programs on the Park Hill Water Works and the Old Mill.

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS

Board Meeting

Tuesday, April 17, 2007 10:00 a.m.

The Pulaski County Master Gardener Board met on Tuesday, April 17, 2007, at 10 a.m. at St. James Methodist Church. Present were Jet Cuffman, Mary Freeman, Sandy Harrison, Beth Phelps, Jim Dyer, Don Davis, Jim Silvi, Jackie Wright, Judy Woodard, and Marilyn Tilley. Also present were Dotty Heckenbach, Glenda Brazzel, and Barry Holt. Chair, Marilyn Tilley presided.

The minutes of the February meeting were accepted as circulated.

The Treasurer's Report was given by Treasurer, Mary Freeman. At Mary's suggestion the board decided that the budget report format should be as it was before it was changed, adding budget figures. The report was accepted as presented.

Jet moved that the Pinnacle Mountain request for \$250, made after the meeting in March be ratified. Don seconded the motion. The motion was approved. Don moved that the request for funds to have the greenhouse motor rewound be ratified. Mary seconded the motion. The motion was approved.

Old Business

- Marilyn announced that Bob Bumgardner finished the audit and will send his committee's report to Mary.
- Beth announced that registration for the International Master Gardener Conference has closed with approximately 1200 registered, 20 from Canada.
- Project reimbursements were discussed without action.

New Business

- Martha Allen requested a Leave of Absence. The request was granted.
- Glenda Brazzel and Barry Holt, co-chairs of the War Memorial Project requested a temporary expansion of their project boundaries (flower beds on the east and west corners of West Markham and Fair Park) to include the gardens beside the AARP building on West Markham. Their committee has enlarged because the State Hospital Project is not active at this time. The expansion will be until the State Hospital Project is reactivated. The board voted to allow this expansion.
- The IMGCC committee requested that our bank account be used temporarily to provide banking services for the IMGCC Store and to provide \$50 gift cards for out-of-town speakers. They will reimburse us for any expenditures. Sandy moved the request be granted. Jim seconded the motion. The board approved the motion.
- The policy for earning education hours was amended to provide that up to five (5) points may be earned for reading gardening articles, watching TV gardening shows and listening to Gardening programs on the radio. Don made the motion, Sandy seconded, and the motion was passed.

Announcements

- Beth announced that the big contributors (\$1,000 or more) to IMGC would be entertained on Friday night at the governor's mansion. PCMG has an invitation that will be used by Don Davis.

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS

Board Meeting

Tuesday, May 15, 2007 10:00 a.m.

The Pulaski County Master Gardener Board met on Tuesday, May 15, 2007, at 10 a.m. at St. James Methodist Church. Present were Mary Freeman, Beth Phelps, Jim Dyer, Don Davis, Jim Silvi, Jackie Wright and Judy Woodard. Jim Dyer presided.

The minutes of the April meeting were accepted as circulated. The minutes of the February meeting were corrected as follows: The request for funds by the Pathfinders Greenhouse was to build a misting system.

The Treasurer's Report was given by Treasurer, Mary Freeman. The report is included with these minutes. Don moved the report be accepted, Judy seconded the motion. The motion was approved. Mary reported that the Maumelle Community Center asked for \$200 to purchase flagstones and mulch to finish a walkway. Jim moved the request be granted. Don seconded the motion. The motion carried.

Old Business

- Beth reported that the IMG C expenses came in within the budget. The silent auction netted approximately \$4600.
- The Audit report was submitted and is included with the minutes. The report states that the books are in good order; there are no discrepancies and no recommendations. The report was accepted.

New Business

- Margery Long requested Sustainer Status. The board voted to grant her sustainer status.
- Beth announced that Dick Blankenkemper would like us to partner with the North Little Rock Tree board to present an educational program about trees. We would be a co-sponsor but would not incur any financial responsibility. Jim Silvi moved that we participate with the NLRTB on an educational workshop on trees. Don second the motion. The motion carried.

Announcements

- Beth reminded the board that it is time for the nominating committee to begin its work. June is our last meeting before the summer break and the slate will need to be presented at the September meeting. Sandy will be the chair.
- Don Davis announced that the program for June will be a panel discussion and question and answers from the members.

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS
Board Meeting
Tuesday, June 19, 2007 10:00 a.m.

The Pulaski County Master Gardener Board met on Tuesday, June 19, 2007, at 10 a.m. at St. James Methodist Church. Present were Mary Freeman, Beth Phelps, Merilyn Tilley, Jim Dyer, Jet Cuffman, Sandy Harrison, Jackie Wright and Judy Woodard. Chair, Merilyn Tilley, presided.

The minutes of the May meeting were accepted as corrected.

The Treasurer's Report was given by Treasurer, Mary Freeman. The report is included with these minutes. Mary reported that the Greenhouse sales amounted to \$2,098.80. The Spring Picnic cost more than expected because Corky's bid did not include tax in their original quote. Income for the year exceeds expenses by \$2791.28 because we have not yet been billed for the printing of the notebooks.

Old Business

- IMGC requires 16 hours to qualify for reduced registration fee. Therefore any hours earned over the 16 required may be applied to county project hours.
- More than 4,000 volunteer hours were contributed to IMGC.

New Business

- Tom Bruce requested that he be reinstated. The board approved his reinstatement. Debra Fuqua requested that she be reinstated. The board approved her reinstatement with the requirement that she work the telephones for 20 hours because she dropped out of the program before she completed this requirement.
- The board discussed a suggestion to start a Care Committee that would earn volunteer hours working in fellow Master Gardeners' home gardens when they are disabled or had a short term situation that limited their ability to garden i.e. long term illness of a family member. The consensus was that this is something we should do when the opportunity arises but that earned hours should be limited to sanctioned public service projects.
- Sandy asked for suggestions for the nominating committee. Their report is to be presented in the September Master Minutes and election will be held at the October Master Gardener meeting.
- AEDQ invited the PCMG to have a booth at their Watershed Appreciation Day, September 8th. Jackie Wright volunteered to be the lead in putting the display together and organize Master Gardeners to staff the booth from 4 to 8 p.m.
- The August board meeting date was set for Tuesday, August 21 at 9 a.m. It will include a potluck salad luncheon. Business for that meeting is project evaluations and member applications.

- Elizabeth Dillon requested an additional \$300 be approved for the Governor's Mansion vegetable garden project. They want to purchase new tomato cages and cucumber trellises. The cost of these purchases will include their \$100 appropriation. Sandy moved the expense be approved. Judy seconded the motion. The motion carried.

Announcements

- Beth announced that the Pinnacle Mountain project was nominated for the 1007 Take Pride in America Award given by the U.S. Department of Interior.
- Claudia Barone, River Market Project Chair asked Beth to bring to the board her frustration with Master Gardeners not following through with their project commitment and not responding to her efforts to contact them. There was discussion about the fact that this a perennial frustration for committee chairs. There was also discussion about requiring volunteer hours being tied to project committees. No motion was made and the board will revisit this issue at a later date.
- Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS
Board Meeting
Tuesday, August 21, 2007 9:00 a.m.

The Pulaski County Master Gardener Board met on Tuesday, August 21, 2007, at 9 a.m. at The Pulaski County Extension Office. Present were Mary Freeman, Beth Phelps, Merilyn Tilley, Jim Dyer, Jet Cuffman, Sandy Harrison, Jackie Wright Jim Silvi and Judy Woodard. Chair, Merilyn Tilley, presided.

The minutes of the June Board meeting were approved.

The Treasurer's Report was given by Treasurer, Mary Freeman. The report is included with these minutes. Mary reported that at the end of July the treasury had approximately \$1000 more than in January.

Sandy Harrison presented the report of the nominating committee, composed of Sandy, Wincie Hughes, and Suellen Roberts: *Rochelle Greenwood*

Past Pres. - Merilyn

- President - Jim Dyer
- First Vice President - Don Davis
- Second Vice President - Martha Basinger
- Treasurer - Judy Woodard
- Secretary - Debra Redding
- Member At Large - Mary Roark

The slate will be presented at the September meeting and elected by the membership in October. *take office*

New Business

- Jean Kuelpman's request for sustainer status was denied because she has not been a member for the required seven years.
- Jackie Finch requested that she be reinstated. A motion was made by Don and seconded by Jim Dyer that the request be approved. The motion carried.
- There was a general budget discussion and continued interest in the possibility of a new greenhouse appropriation.
- The Board reviewed 74 applications for membership. The applications were distributed among the members to make telephone interviews to each applicant, applications to be returned to Beth with comments by September 4.
- The Board reviewed ^{four} ~~three~~ applications for new projects, Wildwood, Main Street North Little Rock, and the new Nature Center in the River Market. The Board will make arrangements to visit the sites before the next meeting. *Scott Conestee's Plantation Museum.*

Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS
Board Meeting *Highlights*

The Pulaski County Master Gardener Board met on Tuesday, June 19, 2007, at 10 a.m. at St. James Methodist Church. Present were Mary Freeman, Beth Phelps, Marilyn Tilley, Jim Dyer, Jet Cuffman, Sandy Harrison, Jackie Wright and Judy Woodard. Chair, Marilyn Tilley, presided.

The minutes of the May meeting were accepted.

The Treasurer's Report was given by Treasurer, Mary Freeman. Mary reported that the Greenhouse sales were \$2,098.80. The Spring Picnic cost more than expected because Corky's bid did not include tax in their original quote. Income for the year exceeds expenses by \$2791.28 because we have not yet been billed for the printing of the notebooks.

Old Business

- IMGC requires 16 hours to qualify for reduced registration fee. Therefore any hours earned over the 16 required may be applied to county project hours.
- More than 4,000 volunteer hours were contributed to IMGC.

New Business

- Reinstatement was approved for Tom Bruce and Debra Fuqua with the requirement that Debra work the telephones for 20 hours because she dropped out of the program before she completed this requirement.
- The board discussed a suggestion to start a Care Committee that would earn volunteer hours working in fellow Master Gardeners' home gardens when they are disabled or had a short term situation that limited their ability to garden i.e. long term illness of a family member. The consensus was that this is something we should do when the opportunity arises but that earned hours should be limited to sanctioned public service projects.
- Sandy asked for suggestions for the nominating committee. Their report is to be presented in the September Master Minutes and election will be held at the October Master Gardener meeting.
- AEDQ invited the PCMG to have a booth at their Watershed Appreciation Day, September 8th. Jackie Wright volunteered to be the lead in putting the display together and organize Master Gardeners to staff the booth from 4 to 8 p.m.
- The August board meeting date was set for Tuesday, August 21 at 9 a.m. It will include a potluck salad luncheon. Business for that meeting is project evaluations and member applications.
- Elizabeth Dillon requested an additional \$300 be approved for the Governor's Mansion vegetable garden project. They want to purchase new tomato cages and cucumber trellises. The cost of these purchases will include their \$100 appropriation. Sandy moved the expense be approved. Judy seconded the motion. The motion carried.

Announcements

- Beth announced that the Pinnacle Mountain project was nominated for the 1007 Take Pride in America Award given by the U.S. Department of Interior.
- Claudia Barone, River Market Project Chair asked Beth to bring to the board her frustration with Master Gardeners not following through with their project commitment and not responding to her efforts to contact them. There was discussion about the fact that this a perennial frustration for committee chairs. There was also discussion about requiring volunteer hours being tied to project committees. No motion was made and the board will revisit this issue at a later date.
- Respectfully submitted,

Jackie Wright, Secretary

PULASKI COUNTY MASTER GARDENERS
Board Meeting
Tuesday, September 18, 2007 10:00 a.m.

The Pulaski County Master Gardener Board met on Tuesday, September 18, 2007, at 10 a.m. at St. James Methodist Church. Present were Mary Freeman, Beth Phelps, Marilyn Tilley, Jim Dyer, Jet Cuffman, Sandy Harrison, Jackie Walker, Don Davis, and Judy Woodard. Also present were Debra Redding, Mary Roark, and Martha Basinger. President, Marilyn Tilley, presided.

The minutes of the June Board meeting were approved as corrected. Corrected minutes will be sent out by e-mail.

The Treasurer's Report was given by Treasurer, Mary Freeman. The report is included with these minutes. Mary reported that at the end of July the treasury had approximately \$1,034 less than in January. Jim Dyer reported that he contacted all project chairs about outstanding invoices and has heard back from most of them. Mary reported that we have not yet been billed by the state office for the training room for last year. It will be about \$800. The report was approved.

Old Business

- **New Projects.** There was a discussion about the new projects. Sandy moved we table the Whit Stephens Nature Center project because they will not be ready to plant until May. The motion was seconded and approved. Don Davis moved we present the Wildwood and Argenta projects for the consideration of the membership. The motion was seconded and approved.

New Business

- Beth read the St. James Save Sanctuary Outside Group Policy Acknowledgement form. She signed on behalf of the Pulaski County Master Gardner Program. She is furnishing a copy for the minute book.
- Sandy gave the nominating Committee Report and introduced the nominees.
 - President – Jim Dyer
 - First Vice President – Don Davis
 - Second Vice President – Martha Basinger
 - Treasurer – Judy Woodard
 - Assistant Treasurer – Mary Freeman
 - Secretary – Debra Redding
 - Member At Large - Mary Roark

The slate will be presented and officers elected at the September meeting and take office in October. If elected, the Board, with continuing members, will be as follows:

President - Jim Dyer
First Vice President – Don Davis
Second Vice President – Martha Basinger
Treasurer – Judy Woodard
Assistant Treasurer – Mary Freeman
Secretary – Debra Redding
Member At Large - Mary Roark
Continuing Member at Large – Jim Silvi
Past President – Marilyn Tilley

- Leave of Absence was approved for Jim Tyler. Leave of Absence was approved for Charli Anne Vestal contingent of dues payment. Reinstatement was approved for Earl Hillard.
- A motion was made and seconded that we renew Arkansas Gardener Magazine subscription for three years for \$54.95. The motion was approved.
- Beth announced that the Fall Jubilee will be October 16 and 17. Jet moved that the registration fees for any board member to attend be paid from the treasury. The motion was seconded and approved.
- Beth announced that at an October 23d meeting of the Quorum Court the County Extension office entertains the Court with dinner and a short program about the Extension Office. Jet moved that \$250 be appropriated for the dinner. The motion was seconded and approved.
- Beth reported on a conversation with the State Extension Office about a new greenhouse. No action was taken.

Respectfully submitted,

Jackie Walker, Secretary

DATE

9/07

OUTSIDE GROUP LEADER ACKNOWLEDGMENT FORM

St. James United Methodist Church
321 Pleasant Valley Drive
Little Rock, Arkansas 72212

The congregation at St. James United Methodist Church is committed to providing a safe and secure environment for all children, youth and volunteers who participate in ministries and activities sponsored by the church. The following policy statements reflect our congregation's commitment to preserving this church as a holy place of safety and protection for all who would enter and as a place in which all people can experience the love of God through relationships with others.

1. No adult who has been convicted of child abuse (either sexual abuse, physical abuse, or emotional abuse) shall be allowed to work with children or youth in any church-sponsored activity.
2. The "Two-Adult Rule" shall be observed at all times so that no adult is ever alone with children or youth.
3. Adult leaders shall immediately report to the St. James staff person responsible for booking their event, any behavior that seems abusive or inappropriate, and then take additional steps as outlined in this response procedure in Section VI above.

As an Outside Group Leader at St. James United Methodist Church, do you agree to:

1. Observe and abide by all church policies regarding working in ministries with children and youth? Yes No
2. Observe the "Two-Adult Rule" at all times? Yes No
3. Promptly report abusive or inappropriate behavior to your supervisor? Yes No
4. Inform a minister of this congregation if you've ever been convicted of child abuse? Yes No

I certify that I have read the St. James United Methodist Church Safe Sanctuary - Risk Management guidelines and I agree to abide by the policies set forth.

Beth Phelps, Pulaski County Master 2nd Degree
SIGNATURE

9/17/07
DATE

PULASKI COUNTY MASTER GARDENERS HIGHLIGHTS

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- Beth reported on a conversation with the State Extension Office about a new greenhouse. No action was taken.

Respectfully submitted,

Jackie Walker, Secretary

PULASKI COUNTY MASTER GARDENERS
Board Meeting Tuesday, October 16, 2007
10:00 am St. James Methodist Church

MEMBERS PRESENT: Beth Phelps, Marilyn Tilley, Jim Dyer, Judy Woodard,
Debra Redding, Mary Roark, Jim Silvi, Don Davis and Martha Basinger

Minutes from the September 18, 2007 Meeting were approved.

No Treasurers Report – Mary Freeman was absent.

OLD BUSINESS:

1. Status of new projects – Argenta and Wildwood – both approved per the vote taken at the September 18 general membership meeting. The Board had special meeting to discuss new project concerns on October 8th.

2. Jim Dyer asked if board member notebooks had been exchanged between outgoing and incoming board members.

NEW BUSINESS:

* Sustainer status for Jean Kulpman was approved.

* There was discussion about coming up with a procedure for handling award nominations for Friend of Master

Gardeners and Project of the Year nominations. Don Davis made a motion. That a procedure be developed to have written nominations be made, with an explanation be submitted by Jan 1st. And that these nomination be distributed to the membership before the January Master Gardener meeting. And that no nominations be taken from the floor. The motion was seconded by Marilyn Tilley. There was discussion. The motion passed. Don Davis agreed to work on a nomination form and instructions to be presented at the November Board meeting.

Martha Basinger reviewed the status of chairman and co-chairman for the Standing Committees for 2008.

Don Davis indicated that he would be working on Chairs and Co-chairs for the Project committees for 2008.

There was discussion about the Chairman's Orientation. Don Davis has talked to Dick Blankenkemper about scheduling the Hays Center and will let the Board know when a date is finalized.

Respectfully Submitted,

Debra Redding, Secretary

Approved
4/15/08

PULASKI COUNTY MASTER GARDENER BOARD MEETING
TUESDAY, NOVEMBER 20, 2007 10AM ST JAMES METHODIST CHURCH

MEMBERS PRESENT: Beth Phelps, Debra Redding, Mary Roark, Martha Basinger, Merilyn Tilley, Jim Dyer, Mary Freeman, Jim Silvi, Don Davis, and Judy Woodard

MINUTES from 10-16-07 were approved.
TREASURER'S REPORT was approved.

OLD BUSINESS:

1. Budget for 2008 presented by Mary Freeman and approved.
2. Nominations for Friend of Master Gardeners and Project of the Year forms were presented by Don Davis and approved. Send forms to entire membership, to be turned in by Jan 1, vote at Jan meeting, with no nomination from the floor.

NEW BUSINESS:

1. New Master Gardeners Class reception today following meeting.
2. Stuff Committee – Orders due today.
3. License Plates- Ask Sue Ellen how many we have. Beth will call Oxford and find out the cost.
4. Past Treasurer Board Position- Mary Freeman has agreed to stay on as Assistant Treasurer for 2 yrs. Beth states that this may require a review/change in the Bylaws. Jim Dyer will appoint a By-Laws committee to review the Bylaws and will include Beth, Judy Woodard and Don Davis and possibly others.
5. July Meeting- Martha Basinger will present to the membership an idea to have a July meeting that would be for fun, fellowship and education. Merilyn Tilley suggest that she ask for a show of hands to indicate an interest. Martha Basinger reported that she has talked to Trudy Kumpe, Chair of the 3Ps committee about ideas to increase excitement at the meetings. Beth suggested a Q&A brown bag lunch following the meetings.

LEAVE OF ABSENCE:

Presented and approved.

1. Pamela Adam-Smith-----Illness---approved
2. Phyllis Richmond-----Family Changes---approved
3. Laura Wiltshire-----Job Situation --- will go inactive.

GENERAL MEETING AGENDA:

1. Introduce new Master Gardeners to Membership.
2. Recognize Bert Turner as our 2007 Friend of Master Gardeners and Arkansas Friend of Master Gardeners for 2007.
3. Recognize 5 Years of Service, 10 Years of Service and Lifetime Members.
4. Social and Travel and Greenhouse Committee Reports
5. Turn in hours to Beth . Also let Beth know if you want to switch projects asap.

Respectfully Submitted,
Debra Redding, Secretary

MG Butterfly Garden

Pulaski County Master Gardeners - Continuing Education Options
"Ways to introduce butterflies and Master Gardeners..."

08/07/07

Purpose: To develop opportunities for Master Gardeners to interact with butterflies, in order to:

- increase butterfly habitat in Arkansas
- learn more about butterflies species
- learn about the life cycle of butterflies
- learn best practices of "butterfly friendly" gardening
- share opportunities for "caterpillar foster parenting."

Various options to accomplish this purpose:

1. Add a one hour session on butterfly gardening to the MG training program.
- * 2. Hold a three hour continuing education event on butterflies.
3. Hold a field event, during the Monarch migration, to give MGs an opportunity to use a butterfly net, and tag and release migrating Monarchs.
(September - October) → Pat just give us some dates
4. Hold a continuing education event on butterfly host plants.
5. Consider providing a few caterpillars to Master Gardeners at our monthly meetings, to empower them to learn more from the butterflies themselves.
6. Develop an Advanced Master Gardener course that would permit adequate time to address the entire purpose statement outlined above for the entire state. *could do - you could do that?*
7. Consider startup of a "Butterfly Flight" team of Master Gardeners, who could serve as a resource for state gardeners.
8. Other options?

Spring?

Possible resources: Ed and Pat McDonald, Jack Singleton, Carol Wooldridge, Nora Ann Lawrence, Jim Edson, Lori Spencer, Mary Ann King and many other butterfly loving gardeners who have a special interest in this topic.

Jack Singleton: 328 Dooley Rd., NLR, 72116 812-2070; jsingleton@comcast.net

Beth Phelps - Facts about Jack Singleton

From: "Jack Singleton" <jsingleton@comcast.net>
To: "Beth Phelps" <bphelps@uaex.edu>
Date: 9/25/2007 3:40 PM
Subject: Facts about Jack Singleton

Facts about Jack Singleton

Jack served on the staff of Keep Arkansas Beautiful for several years, traveling the state helping cities, towns, counties and schools in three important natural resource areas: litter prevention, waste reduction/recycling and beautification - particularly butterfly gardening. He retired from KAB in 2006, but continues to assist schools in the creation of butterfly habitat on campus – so students can learn about butterflies – up-close and personal! Many schools across Arkansas have created butterfly gardens through Jack's guidance and support.

Jack was born in Houston, Texas, grew up in Little Rock, and graduated from Little Rock Central High, Hendrix College and earned a master's from Southern Methodist University. Jack served as a pastor for 36 years. He and his wife Carolyn have traveled extensively throughout Asia and across the US sharing marriage encounter seminars for married couples.

Jack has been a Master Gardener for 13 years and conducts tours for groups at The Old Mill in North Little Rock.

He enjoys working with stained glass and piloting small airplanes, though not at the same time. He helped organize the Habitat for Humanity Chapter in Central Arkansas.

Jack and Carolyn, live in North Little Rock. They have two daughters and three grandsons, ranging in age from 6 years to 4 years of age.

His son-in-law, Rich, is in the Air Force and is deployed to Iraq at the present time.

Intro

From: Beth Phelps
To: Carol Chappell; Christine Palade; Jack Singleton; Jane Gulley; JoAnn...
Date: 8/8/2007 10:51 AM
Subject: Butterfly Gardening 101

Howdy All,

Carol Chappell and Ila Newberry have been busy finding a place for the workshop. There were a couple of possibilities but I think our best bet is the Terry Library. Game and Fish, Laman Library and Thompson Library off Rawling road either would not work or could not accommodate 60 folks.

Here is what Ila wrote -

From there I went to Terry Library on the corner of Napa Valley and Hinson Road (across from Fellowship Bible Church) and looked at their room. It is larger and we would have tables and up to 60 people. AND they have a butterfly garden out back. They have a screen and Fifi wiring, but not a digital projector like Thompson Library. She will open for us at 8:30 AM for us to set up to be ready to begin at 9:00AM. Parking on their lot may not be adequate, but Fellowship parking lot borders them on two sides and I have permission for our group to use that lot (it can be assessed from Napa or Hinson.) I reserved 9:00 to 11:00AM. Again we can cancel either if we choose not to use either. We can do refreshments here too, but with the \$25 deposit, which we will get back if we leave things undamaged.

Can park

So how does this Sound -

Butterfly Gardening 101
 Thursday, October 11th
 9:00 am - 11:00 am
 Terry Library
 Registration \$5.00, limited to 60 folks.
 Speaker - Jack Singleton and his helpers (Jack let me know if there is anyone else we need to include.)

Christine and Jane - As soon as the flyer is done I can send it out via e-mail and then send hard copies with the September Master Minutes in early September.

Here are e-mail address for everyone.

- Jane Gulley janegulley@comcast.net
- Pamela Adams-Smith gigglerpa@comcast.net
- Merilyn Tilley merilyntilley@comcast.net
- Pat Mc Donald pmcdona@sbcglobal.net
- Jack Singleton jingleton@comcast.net
- Carol Chappell carol88c@swbell.net
- Susan Rose RoseSusanN@uams.edu
- Christine Palade cdpalade@uams.edu
- Laura Robinette ronaldrobinette@sbcglobal.net
- Ron Robinette ronaldrobinette@sbcglobal.net
- JoAnn Janssen jjanssen@aristotle.net

Thanks everyone for you help!

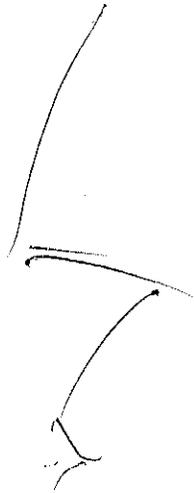
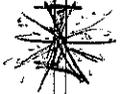
Beth

May have to
~~park~~
 center of Hinson v
 Nappa. because
 Street ~~Report~~
 Repair
 please be flexible.

Jane Sulley
Pamela Adam Smith
Marilyn Tilley
Pat McDonald
JAM SINGLETON
Carol Chappell
Susan Rose
CHRISTINE PALADE
LAURA Robinette
Ron Robinette
JOANN JANSSEN

gigglerpa@comcast.net
pmcdona@sbcglobal.net
jsingleton@comcast.net
carol88c@swbell.net
rosesusann@uams.edu
cdpalade@uams.edu
ronaldrbinette@sbcglobal.net
" " "
jjanssen@aristotle.net

Site Visit
Budget
Date
Speakers



Speaker - JWS.

May 60

Beiter garden 101 - Butterflight
Oct. 11th - 9:00 - 11:00 50 folks
John R. Thompson Rawlins Rd.
\$5.00

Refreshment

Carol Chappell - Ok Game & Cayman
Pam - Adair - Snick

* Flyer - Christie & Jane

↳ Send \$5.00 registration to Joel.
West Forest
make check pay PCMB

Butterfly Gardening 101 - PCMG Continuing Education Committee

Jack Singleton, Presenter

328 Dooley Road, No. Little Rock, AR 72116-9212 jsingleton@comcast.net 501-812-2070

Workshop: "Wow, I've Never Been Touched by a Butterfly Before..."

Resource List

Books

National Audubon Society, Field Guide to Butterflies, by Robert Michael Pyle; Alfred A. Knopf Publisher, 2000. An excellent comprehensive resource, with over 1,000 color pictures of butterflies, caterpillars, chrysalides and eggs. The Guide gives a brief but comprehensive description of range, habitat, host plants and physical description of each butterfly. Paperback price is under \$20.00.

The Life Cycles of Butterflies, by Judy Burris & Wayne Richards; Storey Publishing. The photography is incredible and features great pictures of eggs and chrysalides, maps of each butterfly's range, as well as an excellent section on host plants to help you create your butterfly habitat. The nectar plants recommended by the authors use plants that work well in Kentucky, and you may need to make modifications here. Only 23 butterfly species are covered; but it's a great, concise starting place. I paid \$15 with my Barnes & Noble discount.

Arkansas Butterflies & Moths, by Lori A. Spencer. A must have overview for butterfly lovers who live in Arkansas.

Butterflies of North America, by Jeffery Glassberg; Sterling Publishing Co. Jeffery is President of the North American Butterfly Association (NABA). Each butterfly listed covers two full pages. Jeff tells you how to hunt for butterflies in your area. He mentions the butterfly garden at the Santa Ana National Wildlife Refuge, and reported seeing over 60 butterfly species there one October day.

Peterson First Guides to Caterpillars, by Amy Bartlett Wright; Houghton Mifflin Co. This little paper back is great for elementary school students who want help identifying caterpillars. Young Naturalists learn to move through the steps of scientific inquiry as they learn to classify caterpillars. I paid just over \$5 for this book.

Peterson First Guides to Butterflies and Moths, by Paul A. Opler; Houghton Mifflin Co., Publisher. Another paper back book that is a great beginning resource for those students who are new to butterflies and moths. I paid under \$6 for this book.

Great Web Sites

www.pineridgegardens.org This Arkansas Native Plant nursery carries plants from the Arkansas/Texas/Louisiana/Missouri area. Mary Ann King's web site lists each plant useful to Adult butterflies and to the immature caterpillars. You will love this site as a butterfly tutorial. Order some plants and expect the highest quality native plants at great prices.

www.MonarchWatch.org This site at the U of Kansas, is the definitive place for adults or children to learn about the Monarch, the migration, status of the population, and helps for classrooms who want to study or raise Monarch butterflies. The group is working to increase Monarch habitat through the creation of Monarch Waystations. Check out the site for details.

www.journeynorth.org This site is an education wonderland that follows the migration of Monarchs as well as many other species. They involve students in America and in Mexico and send paper butterflies back and forth during the Monarch migration. Great site for classrooms as children learn about connecting with other children around a natural phenomenon that ties them together as citizens of this planet.

www.NABA.org The North American Butterfly Association is a professional association that provides solid scientific data on butterflies and seeks to protect butterfly habitat. They have great literature and downloadable PDF files on butterflies across America.

<http://rainbarrelguide.com/> Our grandmothers collected rain water from the roof in rain barrels. Instead, we work to see that our rain water goes into the storm drains instead of making use of this resource. Then we water our plants with water we must pay for, during water scarce times. This site will show you how to calculate your roof catchment area, and match it with your annual rainfall to see how much water could be collected and used!

Rain Gardens - a new topic for many folks. Rain Gardens are gardens designed to catch rainwater runoff and direct it into plantings with deep fibrous root systems that absorb the rainwater, filter it, and reduce the runoff into Storm Drainage Systems. Two sites will give you an overview:

1. The University of Wisconsin, Cooperative Extension service has a free downloadable PDF file. It's a 32 page Manual for Homeowners who want to learn about this water conservation method.
2. Also look at "10,000 Rain Gardens," a project of Kansas City, who's Mayor has set a goal for Rain Gardens in that city to reduce storm water runoff.

Santa Ana National Wildlife Refuge (Located 7 miles South of Alamo, TX)
Google this Refuge web site and look at their Butterfly Sightings. A great place to visit during October to see over 60 species of Butterflies!

The Arkansas Native Plant Society. Google their website for more information:
<http://www.anps.org/>

Drip Irrigation Systems

The attached parts list will make sense to folks with modest plumbing experience. It's not too difficult and great fun - kind of like Tinker Toys for Adults! This diagram, when shared with an irrigation company in your area, will be easily adapted to your planned garden.

Your first step in locating a butterfly garden is to find the nearest water source. If the source is in a secure area, you have hit the jackpot! (Caution, seeing a host bib doesn't mean it has water available!) If not, you will need to build a box to house the drip control system, in order to prevent theft or vandalism. Don't build the box until you have completed the system set up - to insure the box is the correct size.

After you find the water source, use the criteria developed in the other parts of this workshop to determine the garden site. Draw a sketch of the site to scale, using graph paper. Now you are ready to get estimates. It's best to plant the garden first, and then add the drip system. This is the only way you can properly locate the individual emitters!

These are the control parts you will need:

1. Valved Faucet wye
2. AVR back-flow preventer
3. Filter (which is easy to clean)
4. Pressure regulator (20 -50 psi)
5. Timer - mechanical or programmable battery powered

The rest of the system will depend on the measurements of the garden and the distance from the water source. These dimensions will determine the amounts needed of the following:

6. $\frac{3}{4}$ " PVC pipe, as well as Tees, Ells, extensions and caps
7. SST King auto-drains as needed
8. Conduit straps to anchor PVC to walls, fences etc.
9. $\frac{1}{2}$ " Drip Tubing (100 ft rolls)
10. Compression Tees to connect PVC to drip tubing
11. Compression Flush Caps for each tubing line
12. $\frac{1}{4}$ " barb connectors, and 1 GPH emitters
13. PVC primer, glue, tubing cutter, hole punch tool.

Enjoy your new butterfly garden knowing it will last through those difficult cool days of August!

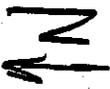
Choosing a site for your Butterfly Garden

Congratulations on your decision to begin adding butterfly habitat in your garden spaces! Butterfly habitat is being destroyed at a rapid rate, and Master Gardeners can help as they create butterfly-friendly places!

Most important things in choosing your butterfly garden site are:

1. Water - You need a source of water to make certain that your plants will receive enough water to be able to survive our hot/dry summers.
2. Surface Water - You also need an area that does not have surface water drainage flowing into the garden you are planning.
3. Sunlight - You need at least 5 hours of sunlight each day (including in the winter months) and 6-8 hours is even better! Butterflies love sun!
4. Wind protection - During windy conditions, butterflies need a place to take cover away from "prevailing winds." In Arkansas, this means protection from the South and West winds. (You can use a wall, or plants to provide this protection.)
5. Soil Conditions - Easy to work soil makes gardening easier and more fun! Raised-bed gardening works best at many schools, so students don't have to dig through rocky or clay-heavy soil.
6. Summer Plans - You will need a group of students/parents/staff who are willing to tend the butterfly garden year-round, especially in the summer, so your garden will have butterflies during the fall term.
7. Accessibility - The garden should be in a place where it can be enjoyed, but where walking traffic and vandalism is considered.
8. Future plans - If it's a public garden space, it's important to locate the butterfly garden in a place where the entity is planning to build, add on, or change the site in any way.

Questions: Jack Singleton (812-2070) or jsingleton@comcast.net



IRRIGATION SYSTEM FOR OAKBROOK ELEMENTARY (Jack Singleton)

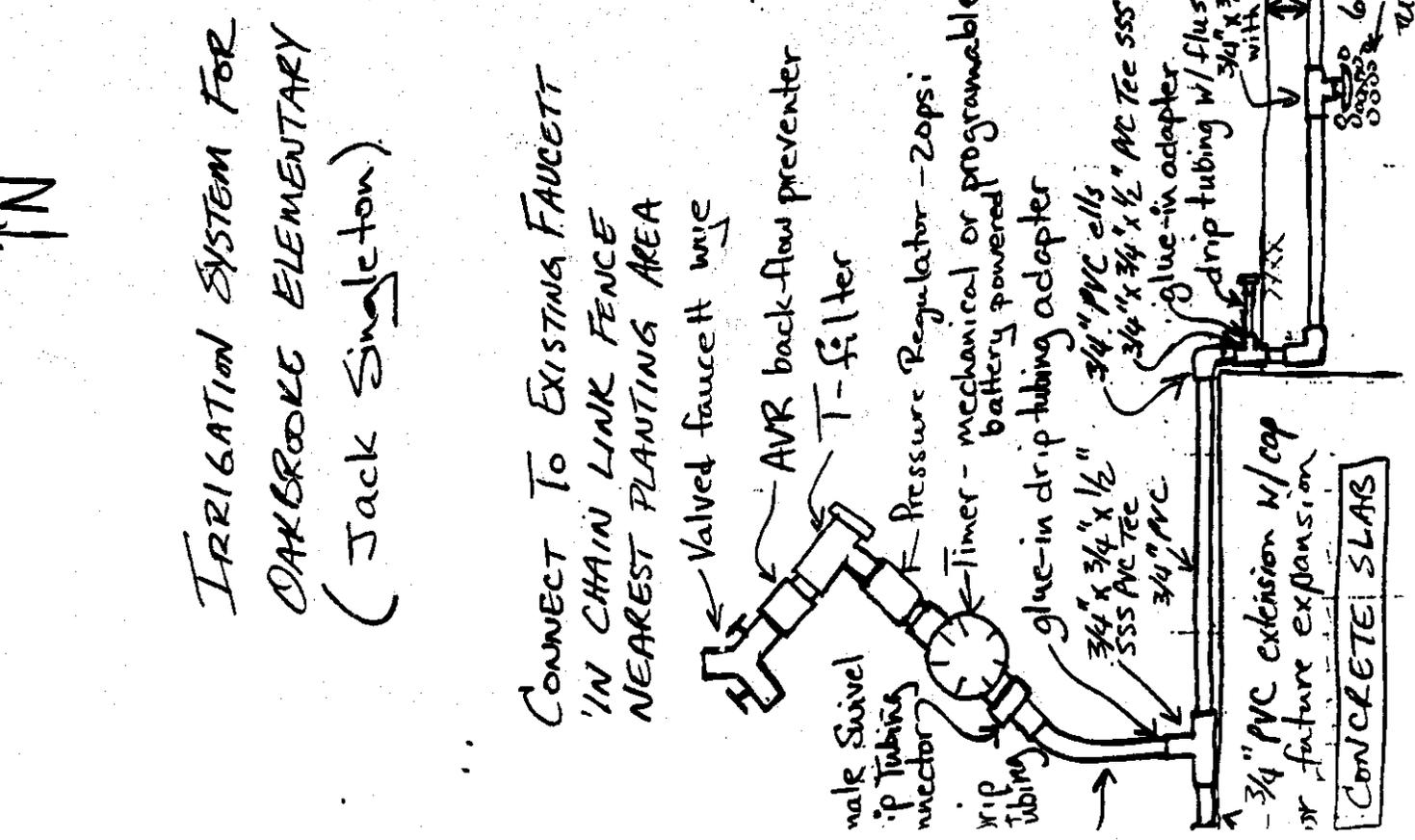
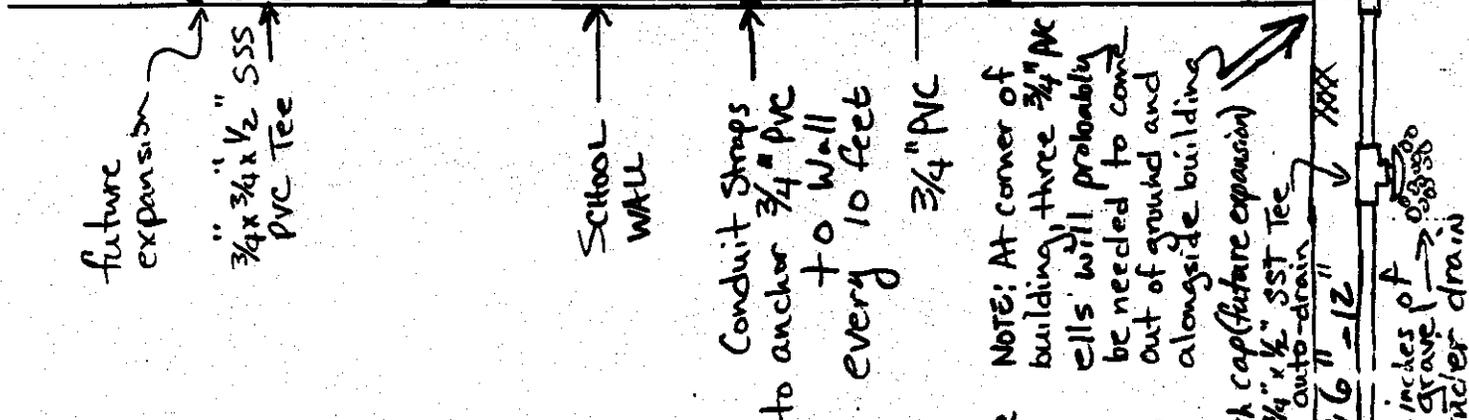
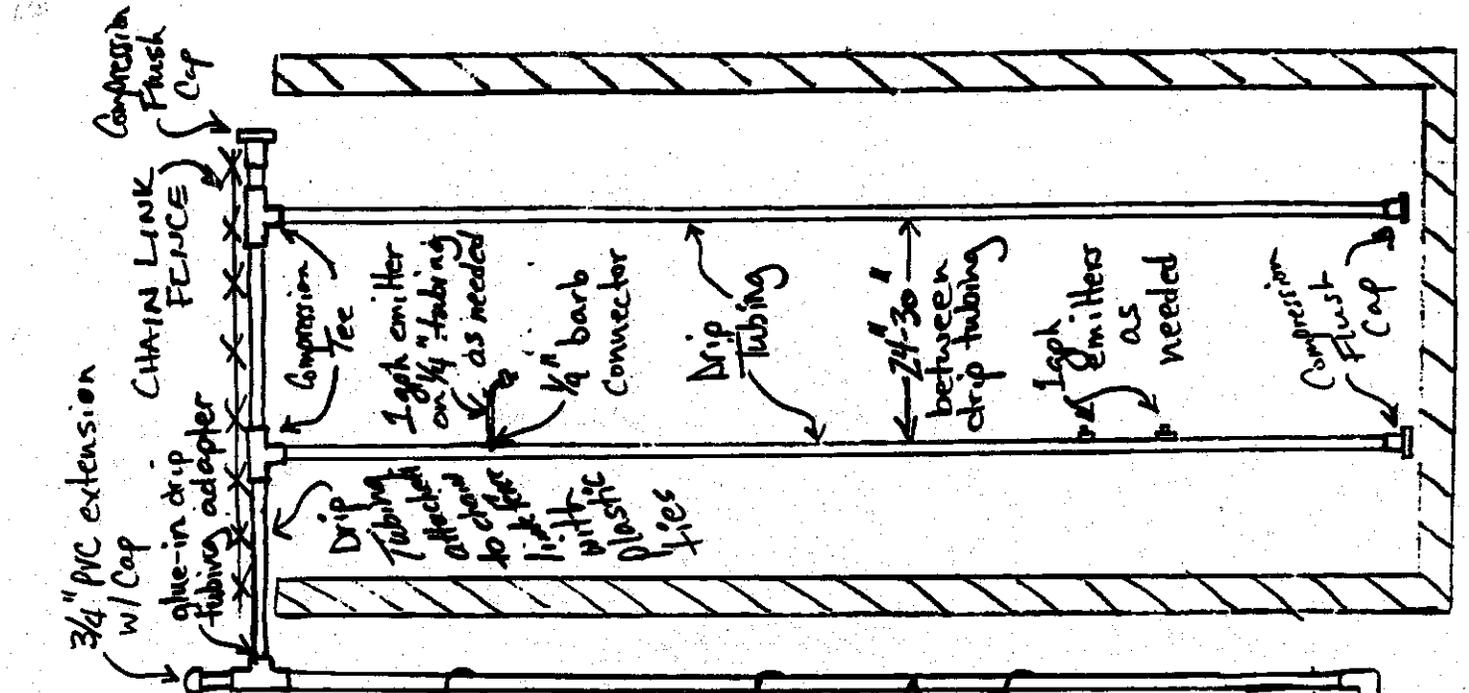
CONNECT TO EXISTING FAUCETT
'IN CHAIN LINK FENCE
NEAREST PLANTING AREA

Valved faucett wire
AVR back-flow preventer
T-filter

Pressure Regulator - Zopsi
Timer - mechanical or programmable
battery powered

glue-in drip tubing adapter
3/4" PVC ell
3/4" x 3/4" x 1/2" SSS PVC Tee
3/4" PVC
glue-in adapter
drip tubing w/ flush cap (future expansion)
3/4" x 3/4" x 1/2" SSS Tee
with auto-drain

3/4" PVC extension w/cap
or future expansion
CONCRETE SLAB



6 inches of
groove
under drain

Basic installation.

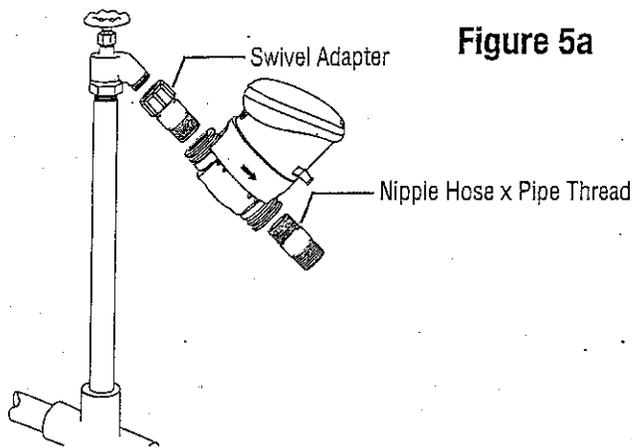


Figure 5a

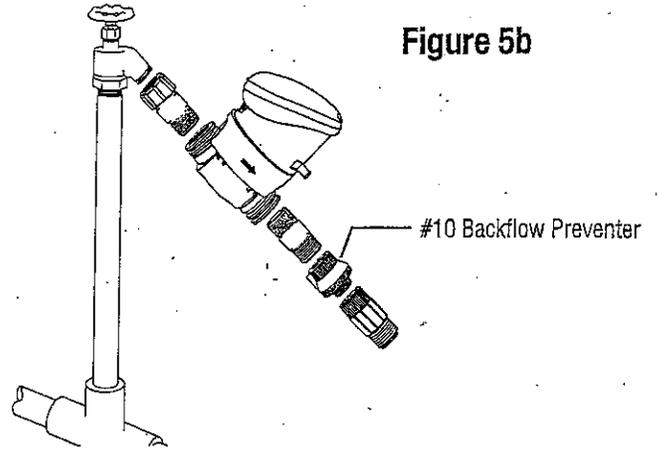


Figure 5b

Drip system installation using a pressure regulator. See Figures 6a and 6B.

NOTE: If backflow device is under constant pressure (when used with a controller), move the backflow device in front of the male hose thread x pipe thread adapter. (see Fig. 5b)

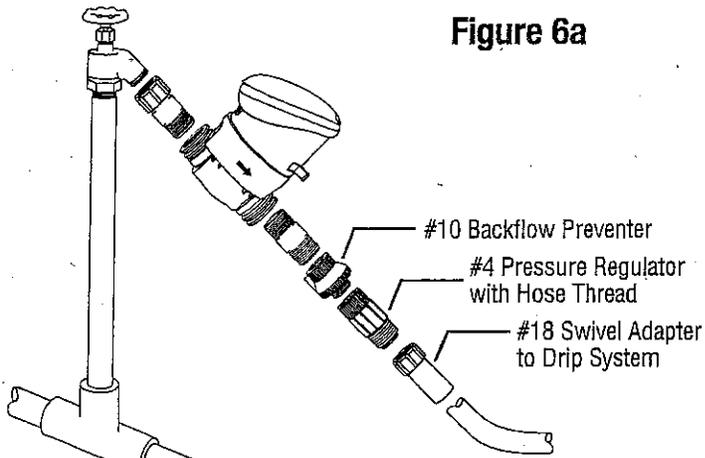


Figure 6a

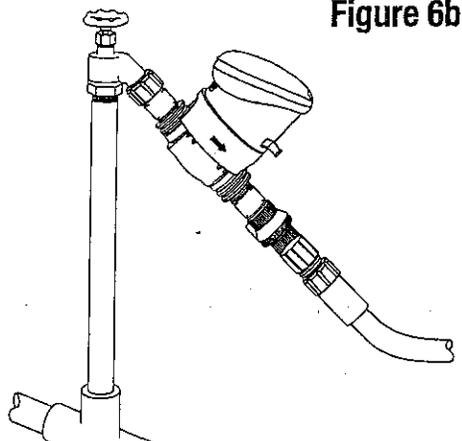


Figure 6b

Drip system installation using a filter and a pressure regulator. See Figures 7a and 7B.

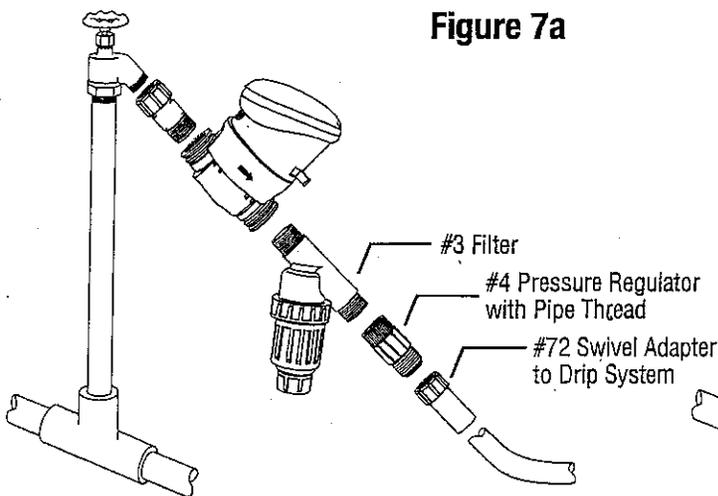


Figure 7a

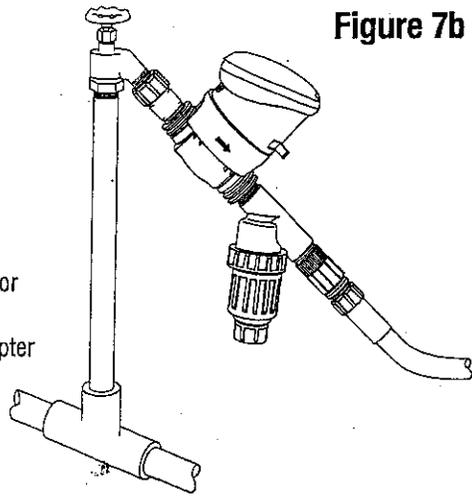


Figure 7b

Monarchs Need Our Help!



Get involved in monarch conservation by creating a Monarch Waystation.

A waystation is an intermediate station between principal stations on a line of travel. If we imagine the principal stations for monarchs to be the overwintering sites in Mexico and the points of reproduction in the breeding season, then it becomes easy for us to visualize the value of resource-rich waystations along the monarch's route through its annual fall and spring migrations. Without resources - in the form of nectar from flowers - fall migratory butterflies would be unable to make the journey to Mexico. Similarly, without milkweeds along the entire route north in the spring and summer months, monarchs would not be able to produce the successive generations that culminate in the migration each fall.

Complete, up-to-date information about Monarch Watch's Monarch Waystation program, including:

- Certification Guidelines & Application
- Monarch Waystation Seed Kits
 - Brochures & Guides
- Monarch Waystation Registry
- Additional Support Materials

is available online at www.MonarchWatch.org/ws

or by writing to us at

Monarch Watch
University of Kansas
1200 Sunnyside Avenue
Lawrence, KS 66045

Visit us online for more monarch & monarch habitat information, community forums, monthly updates, promotional & educational items, and a whole lot more: www.MonarchWatch.org



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 This brochure is also available in PDF format (suitable for online viewing and printing) at www.MonarchWatch.org/ws

Certify Your Monarch Waystation
 To show that you are contributing to monarch conservation, you may choose to have your new or existing monarch habitat certified as an official Monarch Waystation. Upon certification your site will be included in the International Monarch Waystation Registry, an online database of Monarch Waystations, and you will be awarded a certificate bearing your site's Monarch Waystation ID number. Furthermore, you become eligible to display a weatherproof sign that identifies your monarch habitat as an official Monarch Waystation. This display helps convey the conservation message to those who visit your Monarch Waystation and may encourage them to create their own monarch habitat.

MONARCH WAYSTATION

This site provides milkweeds, nectar sources, and shelter needed to sustain monarch butterflies as they migrate through North America.
 Certified and registered by Monarch Watch as an official Monarch Waystation.
CREATE, CONSERVE, & PROTECT MONARCH HABITATS

WWW.MONARCHWATCH.ORG
 Monarch Watch • University of Kansas • Entomology Program • 1200 Sunnyside Ave. • Lawrence, KS 66045-7534

BUTTERFLY BEHAVIOR CHECKLIST

Butterflies are fascinating creatures to observe. Each year, as habitats and climates change, butterfly populations fluctuate. Butterfly enthusiasts often provide professionals with much-needed data from checklists. You can help track and maintain data by using this checklist when you visit Arkansas's State Parks. Simply give this checklist to the park interpreter or mail it to the address below.

WHAT TO LOOK FOR:

Feeding: Butterflies drink with a long, straw-like tube called a proboscis. Was the butterfly...

- ___ Fuddling, drinking liquids from damp ground, sand, or other source?
- ___ Drinking nectar from flowers? Observe the flower species, color, height, and shape.

Flight:

- ___ Flight slow, graceful, soaring?
- ___ Flight short, erratic pattern?

Thermoregulation:

Butterflies are cold-blooded and must rely on the temperature of their environment to warm flight muscles. Butterflies orient their wings to the sun, a behavior called basking.

- ___ Dorsal basking (wings open to the sun)
- ___ Lateral basking (wings closed, tilted 90° to sun)

Mating:

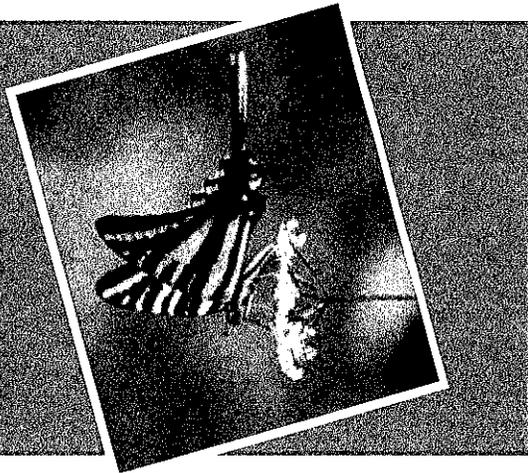
Mating behavior is poorly understood and seldom observed.

- ___ Patrolling down a trail—males patrol in search of females
- ___ Patrolling down a road
- ___ Hilltopping—unmated females fly to hilltops in search of males.
- ___ Courtship—females accepting or rejecting males
- ___ Mating—may last several hours, one sex may fly off carrying the other

Checklist compiled by Lori Spencer of the Ozark Natural Science Center. For more information or to report butterfly sightings, contact Ms. Spencer at: ONSC • Route 3, Box 184 • Huntsville, AR 72740

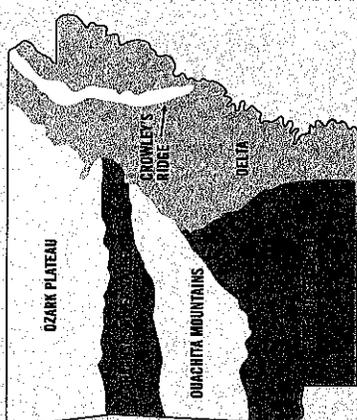
501-798-2754 • lspencer_lori@hotmail.com

ARKANSAS BUTTERFLY CHECKLIST



This checklist is a collaboration between Arkansas State Parks and the Ozark Natural Science Center.

www.ArkansasStateParks.com
<http://onsc.uark.edu>



SYMBOLS USED IN THIS CHECKLIST

Arkansas Regions:

- OZ—Ozark Plateau
- ARV—Arkansas River Valley
- OM—Ouachita Mountains
- MD—Mississippi Delta
- GC—Gulf Coastal Plain
- CR—Crowley's Ridge
- ST—Statewide

Flight Times:

Numbered by month of the year: 3=March, 4=April, 5=May, etc.

Relative Abundance (RA) symbols:

- C—Common (almost always seen each year)
- U—Uncommon (few individuals seen at each spot each year)
- R—Rare (Unlikely to see more than 1–2 individuals, not every year)
- E—Expected (should occur but no records)
- All species are breeding residents unless otherwise noted.
- The common names used in this checklist follow *The Common Names of North American Butterflies* by Jacqueline Miller, 1992.

Cover photo: Zebra Swallowtail (*Euryides marcellus*) by Don Simons • The Zebra Swallowtail is a common butterfly preferring wooded habitats during spring and summer.

SPECIES ACCOUNT FLIGHT REGION RA

Hesperiidae—Skippers



Silver-spotted Skipper	6-9	ST	C
Long-tailed Skipper	6-9	ST	R
Golden-banded Skipper	6-9	ST	R
Hoary Edge	6-9	ST	C
S. Cloudy Wing	6-9	ST	U
N. Cloudy Wing	6-9	ST	C
Confused Cloudy Wing	6-9	ST	R
Scalloped Sooty Wing	6-9	ST	R
Dreamy Dusky Wing	4-9	OZ, OM, ARV	R
Sleepy Dusky Wing	4-9	ST	C
Juvenal's Dusky Wing	4-9	ST	C
Horace's Dusky Wing	4-9	ST	C
Mottled Dusky Wing	4-9	ST	U
Funereal Dusky Wing	4-9	ST	U
Wild Indigo Dusky Wing	4-9	ST	U
Checkered Skipper	4-9	ST	C
Common Sooty Wing	4-9	ST	C
Swartly Skipper	4-9	ST	U
Clouded Skipper	4-9	ST	U
Least Skipper	4-9	ST	R
Southern Skipperling	4-9	S, 1/4	R
Finey Skipper	4-9	ST	C
Leonard's Skipper	4-9	OZ, OM, ARV	R
Cobweb Skipper	4-9	W, 1/2, ARV	R
Tawny-edged Skipper	4-9	ST	C
Crossline Skipper	4-9	ST	R
Whirabout	4-9	OM, GC, ARV	U
Broken Dash	4-9	ST ex, NE	U
N. Broken Dash	4-9	ST	R
Little Glasswing	4-9	ST	R
Sacchar	4-9	ST	C
Delaware Skipper	4-9	ST	C
Bysuss Skipper	4-9	OZ, OM, ARV	R
Hobomok Skipper	4-9	N, 1/2	U
Zabulon Skipper	4-9	ST	C
Yehl Skipper	4-9	ST	R
Broad-winged Skipper	4-9	OM, GC, ARV	R

SPECIES ACCOUNT FLIGHT REGION RA

Hesperiidae—Skippers, continued

___	Dion Skipper	4-9	ST	C
___	Duke's Skipper	4-9	E, 1/4	U
___	Dun Skipper	4-9	ST	U
___	Dusted Skipper	4-9	ST	U
___	Pepper and Salt Skipper	4-9	ST	R
___	Linda's Roadside Skipper	4-9	N, 1/2	R
___	Lace-winged Roadside Skipper	4-9	N, 1/2	R
___	Carolina Roadside Skipper	4-9	OZ, CR, MD	R
___	Roadside Skipper	4-9	ST	C
___	Bell's Roadside Skipper	4-9	ST ex. SE 1/4	R
___	Least Florida Skipper	4-9	S, 1/2	U
___	Eufala Skipper	4-9	ST	U
___	Ocala Skipper	4-9	S, Edge	R
___	Yucca Giant Skipper	4-9	SW 1/4	U

Papilionidae—Swallowtails

___	Pipevine Swallowtail	4-9	ST	C
___	Zebra Swallowtail	4-8	ST	C
___	Black Swallowtail	4-9	ST	C
___	Dark Swallowtail	4-9	OZ	E
___	Giant Swallowtail	7-8	ST	C
___	Tiger Swallowtail	4-8	ST	C
___	Spicebush Swallowtail	4-8	ST	C

Pieridae—Whites & Sulphurs

___	Checkered White	4-9	ST	C
___	Cabbage White	4-11	ST	C
___	Olympia Marble	4-5	W, 1/2	R
___	Falcate Orange-tip	4-5	ST	C
___	Clouded Sulphur	3-11	ST	C
___	Alfalfa Butterfly	3-11	ST	C
___	Dog Face	4-8	ST	R

SPECIES ACCOUNT FLIGHT REGION RA

Lycaenidae—Blues, Coppers, Hairstreaks

___	Cloudless Sulphur	3-4, 9-11	ST	C
___	Mexican Yellow-Vagrant	4-7	W, 1/3	R
___	Little Sulphur	4-11	ST	C
___	Sleepy Orange	5-9	ST	C
___	Dainty Sulphur	5-9	ST	U
___	Harvester	4-9	ST	U
___	American Copper	4-9	N, 2/3	U
___	Great Purple Hairstreak	4-9	ST	U
___	Coral Hairstreak	4-9	N, 2/3	C
___	Edward's Hairstreak	4-9	N, 2/3	U
___	Banded Hairstreak	4-9	ST	U
___	Hickory Hairstreak	4-9	OZ	R
___	King's Hairstreak	4-9	ST ex. OZ	R
___	Striped Hairstreak	4-9	ST	U
___	Red-banded Hairstreak	4-9	ST	C
___	Olive Hairstreak	4-9	ST	C
___	Frosted Elfin	4-9	DM, GC, ARV	U
___	Henry's Elfin	4-9	ST	C
___	E. Pine Elfin	4-9	ST	C
___	S. Hairstreak	4-9	ST	U
___	White M Hairstreak	4-9	ST	R
___	Gray Hairstreak	4-9	ST	C
___	Pygmy Blue	4-9	OZ, DM, ARV	R
___	Reakirt's Blue	4-9	W, 1/2	U
___	Eastern Tailed Blue	3-11	ST	C
___	Spring Azure	3-11	ST	C
___	Dusky Azure	5-9	OZ	R
___	Silvery Blue	5-9	W, 1/2	R

Riodinidae—Metalmarks

___	Swamp Metalmark	4-9	OZ	R
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SPECIES ACCOUNT FLIGHT REGION RA

Libytheidae—Snouts

___	Snout Butterfly	5-12	ST	C
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Heliconiidae—Longwings

___	Gulf Fritillary	4-8	ST	C
-----	-----------------	-----	----	---

Nymphalidae—Brushfoots

___	Variagated Fritillary	6-9	ST	C
___	Diana	5-9	S, OZ, DM, ARV	U
___	Great Spangled Fritillary	6-10	N, 2/3	C
___	Regal Fritillary	6-9	N, OZ	R
___	Gorgone Checkerspot	6-9	W, 1/2	R
___	Silvery Checkerspot	6-9	ST	R
___	Phoen Crescent	6-9	ST ex. NE	R
___	Pearl Crescent	5-10	ST	C
___	Baltimore	5-7	N, 1/2	U
___	Question Mark	3-5, 10-11	ST	C
___	Hop Merchant	3-5, 10-11	ST	C
___	Gray Comma	3-5, 10-11	N, 1/2	U
___	Mourning Cloak	3-5, 10-11	ST	C
___	Painted Lady	3-9	ST	C
___	American Painted Lady	3-9	ST	C
___	Red Admiral	3-5, 10	ST	C
___	Buckeye	3-10	ST	C
___	Red-spotted Purple	3-10	ST	C
___	Viceroy	5-9	ST	U



Toward fulfillment of our conservation mission, Arkansas State Parks has printed this brochure on recycled paper using soy ink.

SPECIES ACCOUNT FLIGHT REGION RA

Apaturidae—Goatweed, Hackberry, Emperors

___	Goatweed Butterfly	7-10	ST	C
___	Hackberry Butterfly	6-9	ST	C
___	Tawny Emperor	6-9	ST	C

Satyridae—Satyrs

___	S. Pearty Eye	6-9	ST	R
___	N. Pearty Eye	6-9	ST	U
___	Creole Pearty Eye	6-9	ST	R
___	Gemmed Satyr	6-9	ST	R
___	Carolina Satyr	6-9	ST	C
___	Georgia Satyr	6-9	S, 1/3	R
___	Little Wood Satyr	6-9	ST	C
___	Common Wood Nymph	6-9	ST	U

Danaidae—Monarchs

___	Monarch	5-10	ST	C
___	Queen	5-10	ST	R

Name _____
 Address _____
 City/State/Zip _____
 email _____
 Species total _____
 County _____ Date _____
 Comments _____

Primary Larval Food Plants and the Butterflies That Use Them

Alfalfa (<i>Medicago sativa</i>) F	Clouded sulphur, alfalfa sulphur, eastern tailed blue
Aspen, cottonwood (<i>Populus</i> spp.) T	White admiral, red-spotted purple, western admiral, Lorquin's admiral, viceroy, mourning cloak, tiger swallowtail, western tiger swallowtail
Aster (<i>Aster</i> spp.) F	Pearl crescent
Bean (<i>Phaseolus</i> spp.) V	Long-tailed skipper
Birch (<i>Betula</i> spp.) T	Mourning cloak, white admiral
Blueberry (<i>Vaccinium</i> spp.) S	Brown elfin
Cabbage, broccoli (<i>Brassica</i> spp.) V	Cabbage white, checkered white
Cherry (<i>Prunus</i> spp.) T, S	Red-spotted purple, tiger swallowtail, spring azure
Citrus trees (<i>Citrus</i> spp.) T	Anise swallowtail, giant swallowtail
Clover (<i>Trifolium</i> spp.) F	Clouded sulphur, alfalfa sulphur, eastern tailed blue
Dogwood (<i>Cornus</i> spp.) T, S	Spring azure
Elm (<i>Ulmus</i> spp.) T	Comma, question mark, mourning cloak
Everlasting (<i>Gnaphalium</i> spp.) F	American painted lady
False indigo (<i>Amorpha</i> spp.) S	Dog face, silver-spotted skipper
False nettle (<i>Boehmeria cylindrica</i>) F	Red admiral, question mark, comma, Milbert's tortoiseshell
Grasses, sedges (various genera)	Common wood nymph, little wood satyr, eyed brown, ringlet, fiery skipper, European skipper
Hackberry (<i>Celtis</i> spp.) T	Question mark, comma, hackberry butterfly, tawny emperor, spout butterfly, mourning cloak
Hops (<i>Humulus lupulus</i>) F	Question mark, comma
Knotweed (<i>Polygonum</i> spp.) F	Purplish copper
Locust (<i>Robinia</i> spp.) T, S	Silver-spotted skipper
Lupine (<i>Lupinus</i> spp.) F	Silvery blue, other blues
Mallow (<i>Malva</i> spp.) F	West Coast lady, gray hairstreak
Marigold (<i>Tagetes</i> spp.) F	Dainty sulphur
Meadowsweet (<i>Spiraea</i> spp.) S	Spring azure
Milk vetch (<i>Astragalus</i> spp.) F	Western tailed blue, other blues
Milkweed (<i>Asclepias</i> spp.) F	Monarch, queen
Nettle (<i>Urtica</i> spp.) F	Red admiral, question mark, comma, Milbert's tortoiseshell
Oak (<i>Quercus</i> spp.) T, S	Sister, banded hairstreak
Parsley (<i>Petroselinum crispum</i>) V	Black swallowtail, anise swallowtail
Passionflower (<i>Passiflora</i> spp.) F	Gulf fritillary, zebra
Pawpaw (<i>Asimina</i> spp.) T	Zebra swallowtail
Pipevine (<i>Aristolochia</i> spp.) F	Pipevine swallowtail
Plantain (<i>Plantago</i> spp.) F	Buckeye, Baltimore
Queen Anne's lace (<i>Daucus carota</i>) F	Black swallowtail, anise swallowtail
Senna (<i>Cassia</i> spp.) F	Cloudless sulphur
Snapdragon (<i>Antirrhinum</i> spp.) F	Buckeye
Sneezeweed (<i>Helenium</i> spp.) F	Dainty sulphur
Sorrel, dock (<i>Rumex</i> spp.) F	American copper, purplish copper
Spicebush, sassaparilla (<i>Lindera</i> spp.) S	Spicebush swallowtail, tiger swallowtail
Stonecrop (<i>Sedum</i> spp.) F	Phoebus parnassian
Sweet fennel (<i>Foeniculum vulgare</i>) F	Anise swallowtail, black swallowtail
Thistle (<i>Cirsium</i> spp.) F	Painted lady
Tulip poplar (<i>Liriodendron tulipifera</i>) T	Tiger swallowtail
Turtlehead (<i>Chelone</i> spp.) F	Baltimore, buckeye
Vetch (<i>Vicia</i> spp.) F	Alfalfa sulphur, eastern tailed blue, western tailed blue, other blues
Violet (<i>Viola</i> spp.) F	Great spangled fritillary, meadow fritillary, other fritillaries
Willow (<i>Salix</i> spp.) T, S	Western admiral, Lorquin's admiral, viceroy, mourning cloak, western tiger swallowtail
Winter cress (<i>Barbarea</i> spp.) F	Sara orange lip, falcate orange lip, cabbage white



A black swallowtail caterpillar feeds on Queen Anne's lace.

Butterfly Gardening: Nectar Plants

Common Name (Scientific Name)	Zone	Height	Color
WILDFLOWERS			
Early			
Clover (<i>Trifolium</i> spp.)	3	4-8 in.	pink, white
Dandelion (<i>Taraxacum officinale</i>)	3	6-8 in.	yellow
Hawkweed (<i>Hieracium</i> spp.)	3	6-12 in.	yellow, orange
Winter cress (<i>Barbarea</i> spp.)	3	1-1½ ft.	yellow
Midseason			
Butterfly weed (<i>Asclepias tuberosa</i>)	3	1-2 ft.	orange
Daisy, Oxeye daisy (<i>Chrysanthemum leucanthemum</i>)	3	1-2 ft.	white
Dogbane (<i>Apocynum androsaemifolium</i>)	3	1-2 ft.	pink
Milkweed (<i>Asclepias</i> spp.)	3	3 ft.	pink
Mountain mint (<i>Pycnanthemum</i> spp.)	2	1-2½ ft.	white
Pearly everlasting (<i>Anaphalis margaritacea</i>)	3	1-3 ft.	white
Queen Anne's lace (<i>Daucus carota</i>)	3	3-3½ ft.	white
Thistle (<i>Cirsium</i> spp.)	3	3-4 ft.	purple
Vetch (<i>Vicia</i> spp.)	3	6 ft.	purple
Wild bergamot (<i>Monarda fistulosa</i>)	3	3-4 ft.	lavender
Yarrow (<i>Achillea millefolium</i>)	2	2 ft.	white
Late			
Aster (<i>Aster</i> spp., especially <i>A. novae-angliae</i>)	3	4 ft.	purple-blue
Beggar ticks (<i>Bidens aristosa</i>)	4	1-3 ft.	yellow
Boneset (<i>Eupatorium perfoliatum</i>)	3	4-5 ft.	white
Goldenrod (<i>Solidago</i> spp.)	3	3 ft.	yellow
Ironweed (<i>Vernonia</i> spp.)	4	3-7 ft.	purple
Joe-Pye weed (<i>Eupatorium</i> spp.)	2	5-9 ft.	pinkish purple
SHRUBS			
Early			
Lilac (<i>Syringa vulgaris</i>)	3	20 ft.	purple, pink, white
Rhododendron (<i>Rhododendron</i> spp.)	4	to 18 ft.	pink, purple, white
Spicebush (<i>Lindera benzoin</i>)	4	15 ft.	yellow
Midseason			
Butterfly bush (<i>Buddleia davidii</i> , <i>B. alternifolia</i>)	5	6-15 ft.	purple
Buttonbush (<i>Cephalanthus occidentalis</i>)	4	15 ft.	white
Flame-of-the-woods (<i>Ixora coccinea</i>)	10	15 ft.	red and yellow
Honeysuckle shrub (<i>Lonicera tatarica</i>)	3	9 ft.	pale pink
New Jersey tea (<i>Ceanothus americanus</i>)	4	3 ft.	white
Privet: Amur privet (<i>Ligustrum amurense</i>) in North	3	15 ft.	white
California privet (<i>L. ovalifolium</i>) in Calif.	6	15 ft.	white
Japanese privet (<i>L. japonicum</i>) in South	7	6-18 ft.	white
Sweet pepperbush, summer sweet (<i>Clethra alnifolia</i>)	3	4-6 ft.	white
Late			
Bluebeard (<i>Caryopteris x clandonensis</i>)	5	2-4 ft.	blue
Glossy abelia (<i>Abelia x grandiflora</i>)	5	5 ft.	pink
Sweet pepperbush (<i>Clethra arborea</i>)	9	25 ft.	white
TREES			
Buckeye (<i>Aesculus</i> spp.)	3	75 ft.	white, greenish yellow, pink
Japanese Tree Lilac (<i>Syringa reticulata</i>)	4	30 ft.	white
Plum, cherry (<i>Prunus</i> spp.)	3	20-30 ft.	pink
Willow (<i>Salix</i> spp.)	2	10-45 ft.	greenish yellow
VINES			
Japanese honeysuckle (<i>Lonicera japonica</i>)	4	vine	white

Arkansas Butterflies & Their Host Plants

To raise butterflies, you need mature Nectar Plants to attract the adult butterflies and nearby Host Plants, upon which the particular species lay their eggs. If you plant the Host Plants, you will most likely have eggs/caterpillars/chrysalides and butterflies!

Butterfly Species

Host Plants

(Easy to attract and raise butterflies are indicated with an (e))

Black Swallowtail (e)

Bronze Fennel, Dill, Parsley, Queen Anne's Lace

This family of Black Swallowtails will cover your Fennel plants in early August, and should be moved to Parsley (from the local supermarket), which can be placed in a jar of water, in a terrarium. In this way, you have Fennel for later hatches of the Black Swallowtail, and the students can care for the caterpillars, and observe them as they grow and become chrysalides, then butterflies. This caterpillar has a bulbous forked scent gland (Osmeaterium) which it sticks out when threatened and it emits an anise odor as well. The caterpillar is green, black and white.

Monarch (e)

Milkweed (*Asclepias*) There are over 150 cultivars!

Asclepias Tuberosa is a common native perennial form.

The Eastern Monarch butterfly may become extinct due to the destruction of the conifer forest in Central Mexico where it winters, and because of the increased use of Roundup in pasture and along roadsides to eliminate weeds. Raising Monarchs is a great way for students to study its migration. Monarch Watch provides tagging kits for those who want to participate in the tagging of the migrating Monarchs each fall. See:

www.MonarchWatch.org (University of Kansas, Lawrence, KS 66045)

Also: see: "Journey South" & "Journey North" (web sites that utilize students to help monitor migration of all wildlife). The caterpillar is white with black and yellow stripes and has two black filaments at the head and two at the tail.

The change of the Caterpillar into a Chrysalis is a miracle to observe. It is one of the most beautiful natural objects in nature. Every part of the caterpillar dissolves into a "lime green goo" in the chrysalis shell, and within two weeks reforms into the Monarch butterfly. You can see the orange and black colors of the butterfly as the day of emergence draws near.

Giant Swallowtail (e)**Rue, Wafer Ash, Prickly Ash**

One of the largest of the Swallowtails, it is larger than some small birds. Its beautiful yellow and black banding makes it a spectacular sight in the garden. And yet, it begins as a caterpillar that looks like a large bird dropping (a nice way to say bird poop.) That such an "ugly" caterpillar can become one of our most beautiful butterflies gives hope to all!

Spicebush Swallowtail (e) Spicebush, Sassafras tree, Sweet Bay Magnolia

This caterpillar looks like a Walt Disney creation! Lime green, with two huge eye dots, and a head larger than the body, it licks the central axis of a leaf on the Spicebush or Sassafras tree, and the leaf curls up along the axis, creating a cigar shaped temporary home for the caterpillar. It also feeds on other of the plant's leaves, not its home leaf!

This caterpillar is great fun, but the host plants are more difficult to cut and move to a terrarium when the plant is small. I keep several *Lindera benzoin* in containers to move next to blooming nectar plants in my yard.

Pipevine Swallowtail (e)**Dutchman's Pipevine**

Coal black forewing and an iridescent blue hind wing make this a spectacular sight. The caterpillar is startling when seen for the first time, with purplish black body with all its body segments studded with blackish red/orange fleshy filaments. Pipevine can be moved into a Terrarium, provided you have enough available, making this caterpillar easy to rear. The change it makes with each new (instar) is amazing and it is a strikingly beautiful caterpillar and adult butterfly.

Gulf Fritillary**Passionvine (*Passiflora incarnata*)**

This small butterfly is bright tangerine color on the top of the wings and chocolate brown on the underside, with white dot markings. Though small, its bright contrasting colors make it a garden favorite. The Gulf Fritillary is hard to spot in the vigorous growth of the Passion Vine; this makes raising it more of a challenge. If your butterfly garden has space for a vine that requires a trellis, consider planting passionvine. The passionvine flower is loaded with symbols important in the Christian tradition, and was the state flower of Arkansas in the 1800's.

Arkansas Friend of Master Gardener Award

County : Pulaski

This award is presented to a non-Extension or Non-Master Gardener person, business or organization that has shown outstanding support of the Master Gardener program in your county.

Name of person, business or organization: Bert Turner

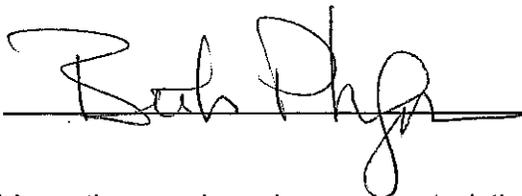
Contact person (if not an individual) _____

Address: 2032 Topf

City : No Little Rock, AR Zip: 72116

Phone number : 501-753=7578

Extension Agent Signature

A handwritten signature in black ink, appearing to read "Bob Phya", is written over a horizontal line.

Give a brief description of how the nominee has supported the MG program in your county. These must be submitted by **April 1, 2007**, to qualify.

See attached:

**Pulaski County Master Gardener
2007 Friend of Master Gardener Program Award
Bert Turner, Friends of the Old Mill**

In 2004, we were seriously considering dropping the Old Mill as a project due to the lack of cooperation from the North Little Rock Parks department. The grounds were not being maintained, the sprinkler system did not work, and park department employees would remove plants that we had planted. We would plant and the plants would die due to lack of water. The grounds that we did not maintain were overgrown with weeds and privet. Little did we know, Bert had retired, moved back to his home town, and was complaining constantly to the city about the condition of the grounds at the Old Mill.

As I was meeting with the Parks superintendent to discuss our many issues, he suggested that Bert and I meet with him and come up with a plan to fix some of the problems. As a result of the meeting, "Friends of the Old Mill" (FOM), a group of North Little Rock residents was established. I, representing the Master Gardener organization, am a member of the group. Bert organized the group, got it set up as a non profit organization in January, 2005, and hit the ground running. He has applied for and received several grants to upgrade the facilities. New beds have been created with funds from the grants. Super soil has been added to the existing beds and stacked walls have been built around existing beds to solve erosion issues. Bathrooms will be built and drinking fountains will be installed. New lighting will be installed to showcase the park in the evenings. Funding is being requested for a new sprinkler system.

CSTEP, a boot camp program for teens sentenced by the courts, is a program at Camp Robinson. With his military connections, he has arranged for the teens to work with supervision at the Old Mill. They have cleaned up all the weeds, cut all the privet, built the stacked rock walls and do all the heavy work to keep the grounds in top condition. Any work we need done to assist us is also assigned to them on their work days. Because the entire park now looks good, it makes our beds look outstanding.

Bert is at the Old Mill daily to access the appearance and to immediately address any problems with the No Little Rock parks department superintendent. As he is relentless, the issues are addressed promptly.

Because of his involvement, any issues we have are relayed to the city immediately and are addressed promptly. Broken sprinkler problems are fixed in a very timely manner so our plantings look their best at all times, unlike previously when the plants died due to lack of water. Beds have defined borders with the newly built stacked rock walls. The city now wants to know what they can do to help us. All the improvements have made our areas stand out.

Bert readily admitted he knew nothing about the plants. He has learned the names of most of the plants so that he can answer visitors' questions while he is at the park. He always gives credit to the Master Gardeners for the beauty of the flowers. The Old Mill is the only North Little Rock location on tours promoted by the Little Rock Convention

Bureau. Numerous tour groups attend the park weekly as a result of his promotion of the park.

Without Bert's intervention, it is doubtful that the Master Gardener organization would still be associated with the Old Mill. Now it is a location that we are proud to say we are associated with and have our sign displayed. For all the above reasons, we feel that he should be awarded the Arkansas Friend of Master Gardener award.

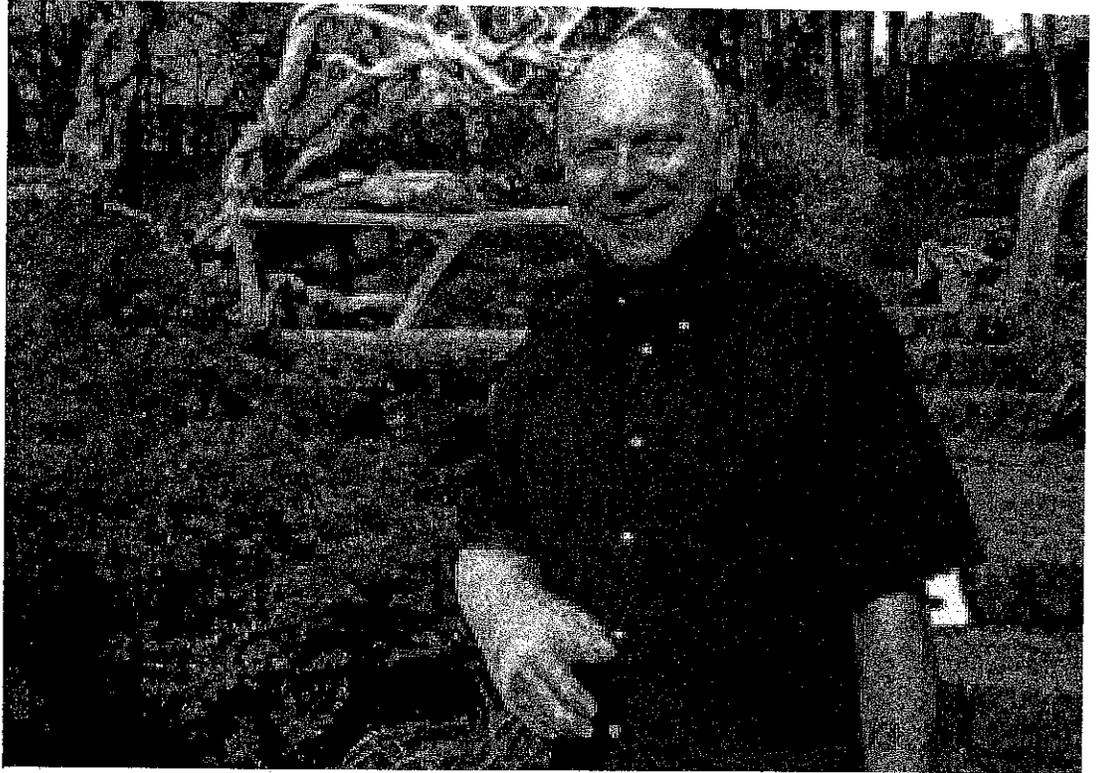
Respectfully submitted by:

Judy Bradsher
Co-chair Old Mill Committee

Pulaski County

2007 Friend of the
Master Gardener Program

Bert Turner



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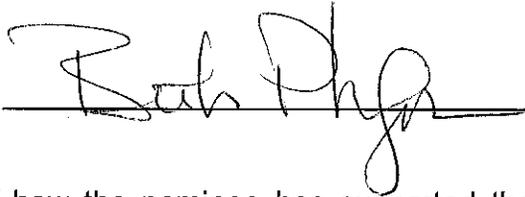
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