



The Guide Star

Newsletter of the Amateur Astronomers Association of Pittsburgh, Inc.

Founded June 9, 1929 by Chester B. Roe and Leo J. Scanlon

Website: 3ap.org



**Mingo Creek Park
Observatory**



**Nicholas E. Wagman
Observatory**

May 2006

Vol.41, No. 2

In This Issue...

John Dobson.....	1
Dave Smith 25 Years.....	2-3
Nominees.....	4-5
Ballots for Nominees & Articles.....	6
Revised & Restated Articles Of Incorporation.....	7-8
New Members.....	8
Tony Parker's Light Pollution Article.....	8
Kepple and Sanner 400 Observing Certificates.....	9
Fred's Photos.....	10

John Dobson's Visit to Pittsburgh

OUR VISIT WITH JOHN DOBSON...We met him at the Pittsburgh airport at 8:30 p.m. March 29, 2006. After dinner he wanted to do some sidewalk observing. We went to the South Side where we were met by Dave Smith and Ann Norman. We stayed until after Jupiter was visible. John certainly enjoyed the evening. For breakfast Thursday morning John ate four soft-boiled egg yolks laden with salt, a bowl of granola cereal with raw milk that he brought from California, and orange juice. To his cereal he added a handful of nutritional yeast and two teaspoons of lecithin. Then mixed in his orange juice he added 1.5 teaspoons of vitamin C. Thursday we went to the West End Lookout and the Allegheny

Observatory where Al Paslow and Rich Frye met us for a tour. John enjoyed the talk on the history of the observatory. He wanted to know if they had trouble with the wheels that turn the dome. Special thanks to Al for leading us back to the South Side from the observatory where we had dinner and about eight AAAP members joined us. After dinner we all enjoyed sidewalk observing. That night we had the four corners of 19th and Carson covered and Ann with her scope half way down the block. We had Fred Klein, Rich & Chrissie, John Paslow, and Dave Smith to name a few. Friday John went with Maureen and I to her uncle's funeral. Friday evening Joe McCafferty came to our home for a visit with John. Saturday John gave a talk in the planetarium at CSC on the Big Bang and sidewalk astronomy. Prior to his talk he visited the various tables and enjoyed talking with new friends. Of course, he signed a lot of telescopes. Al Paslow brought 8" and 12" mirrors and after John's talk he gave a demo on mirror grinding. Saturday evening we took John to Mingo where he and everyone there had an enjoyable time. There was a reception with about 40 members. After his tour of Mingo John gave an informal talk in the Planetarium room. It was greatly enjoyed by all. Sunday afternoon we took John to the IMAX at Pittsburgh Mills to see the documentary *T-Rex* in 3-D. Sunday night Al Paslow came to visit with John in our home. Monday John wanted Maureen and I to watch some of his favorite movies which included *Dave*, *Break Out* and *Hero*. He could just about recite the movies word for word. I took John back to the airport for his 5:29 p.m. flight to New York on Tuesday. Unfortunately, his flight was delayed two hours. John said he had to get some exercise. We were at the last gate of American Airlines. I watched John's bags while he walked up the concourse toward the stores. A short while later I saw John jogging back toward me. He was jogging the wrong way on the moving sidewalk. He continued to jog 40 yards after the moving sidewalk and then walked the rest of the way toward me. When he got to me he was not out of breath and this from a 90-year-old man. John said two years ago he walked six miles every day, one-half mile before the Golden Gate Bridge, across the bridge and then a half-mile beyond and back again. John said he is planning on being here for 18 more years and we certainly hope he makes it! We enjoyed our visit with John and miss him a lot.

Bill & Maureen Moutz

Dave Smith Celebrates 25 years with the AAAP



The editors invited Dave Smith to share his thoughts on his 25th anniversary with the club!

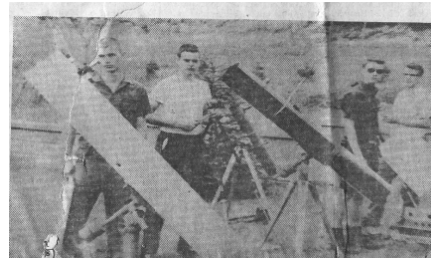
My interest in astronomy began in junior high. Two different things inspired me. One was looking through a homemade telescope in my hometown of Morgantown, West Virginia. It was on display as part of a hobby show in a V.F.W. gym and was pointed at a newspaper on the other side of the hall. Like most people looking through a Newtonian for the first time, it had to be explained to me which way we were looking and how it worked. At the time it didn't make much sense. The other thing that fascinated me was that some people could look at the sky and find all those constellations, for example navigators that needed to identify individual stars to take readings. One Christmas I received a Golden Nature Guide on *Stars*. This book had very simple and easy-to-recognize constellation patterns—in my opinion easier than H. A. Reys *Stars: A New Way to See Them*. My Golden Nature Guide also had a short list of astronomy clubs that included AAAP. At the time I figure they were way above me, not knowing I would become a member someday.

My first telescope was a \$29.00 1.25" refractor purchased from an ad in "*Boys Life*" magazine. This telescope worked okay considering that to change power one had to take the eyepiece apart and add or subtract lens. Focusing was done by sliding the tube and the tripod legs looked like broomsticks. With this telescope I was able to observe the Moon, planets, and a few star clusters. During summer vacations, I slept out in our backyard with the telescope ready if it should clear up. I did this for all three summers during high school. There were a lot of times that I would wake up in the early morning and find a dark, clear sky. One night in 1963 I awoke to the best aurora display ever. The aurora went through different stages and at one point the whole

Northern sky had turned pink and was reflecting off a neighbors' barn roof. During that period I also observed over 100 passes of the satellites Echo I and Echo II. They came over almost every two hours and were very bright.

For my high school senior science project I ground an 8" mirror and assembled a telescope from purchased parts from Edmund Scientific and A. Jaguars. In addition to building the telescope, I did some observations of the eclipsing variable star Y Leonis. This project must have impressed some teachers because I was one of the students from Morgantown High to attend the West Virginia State Science Fair. (Sadly, like the boy from *October Skies* who had his rocket engine stolen at the science fair, I had my eyepiece stolen from my finderscope.) That science fair was also where I first saw a color TV.

That summer some friends of mine who were also interested in astronomy observed a partial solar eclipse from Morgantown and we got our picture in the paper. (I'm the first one on the left!)



At that point in my life I wanted to be an astronomer; but due to low grades (in part due to dyslexia, which was not realized until the 70s), I didn't get into West Virginia University (WVU) as a physics major. So I went into the Army rather than waiting to be drafted.

My recruiter told me that I could not take my telescope with me during basic training but "there would likely be telescopes available at the service clubs." I would be interested in hearing from anyone who ever saw a telescope in any service club. After basic and advanced infantry training, my mother sent me the lens from my 1.25" and my A. Jaguars eyepieces. With a cardboard tube from the mess hall, a camera tripod, some sponges, and a toilet paper tube, I was able to assemble a telescope at Fort Gordon, Georgia and show some people the moon, Jupiter, and Saturn.

While in Germany with the 3rd Armored Division, I found out that the service clubs did have darkrooms and that is where my photographic career got started. After three years in the Army and working a year in a portrait studio, I was able to get into, and graduate from, WVU as an art major with the GI Bill paying my \$145.00 tuition a semester.

My interest in astronomy had waned. Then, while working as a photographer with an ad agency here in Pittsburgh, I met Frank Usouski, the lithographer, and client with our agency, who was building an observatory in Bethel Park and was trying to get 300 golf balls for the roof bearings. Our ad agency was looking for some interesting community activities for a magazine we did for Mt. Lebanon Federal. After I had taken photos of the project and met members of the South Hills Backyard Astronomers, Frank talked me into attending an AAAP meeting at Allegheny Observatory where he said we might get to look through the 13-inch telescope. Frank also told me about Tom Reiland and some others being able to find all the Messier objects. This got me interested again. I thought I knew my constellations well but I had probably only observed about 20 Messier objects. I now wanted to find all the Messier objects, so I joined the club and with Frank's help built a 6" f/5 telescope with a Colter mirror. With this telescope and Frank's telescope, we made a lot of trips to Green County and other dark sites—several times just driving south on I-79 and pulling off on side roads and going into farmers fields without asking. I also tried some dark locations in West Virginia's Cannan Valley. I got my Messier certificate in about nine months. Later I ground the mirror for the 10" f/5 DOB I use now.

During my first year with AAAP, I saw a need for a simpler observing certificate that would help those without telescopes to learn the sky better, so I presented the idea for what is now the Leo Scanlon Certificate. This certificate challenges observers to learn the constellations and the brightest stars. This may have helped me get elected as Vice President, a position I served in for around 9 years while Art Glaser and then Tom Reiland were President.

During my time in the AAAP I have done publicity for our star parties at North and South Parks and helped out at almost all of our events including star parties at North and South Parks, open houses at Allegheny Observatory, and Astronomy Day at the Science Center. I worked on both Wagman and Mingo observatories and the TV programs that we put on Cable Channel 21 under John Holtz's direction. Ed Moss and I found the field in West Virginia for our Laurel Highlands Star Cruise. I knew the area but not the field. (I have ancestors buried all around that area). I've done some articles and sketches of members' observatories for *Guide Star*. I've also done a lot of photography for the club, including a lot of the web shots and photos of the Brashear that were part of a three-page story in *Sky and Telescope*. I hope to do the same for Mingo after the 24" is installed and everything is finished!

The project that I am the most proud of is being part of the restoration of the Brashear 11" telescope. We had it stored in my old studio in North Oakland for three and a half years. Ken Kobus, Wade Barbin, Flacc Stifel, and others would come in almost every Wednesday evening to work on it. The fun part was to show clients and friends. I would ask them if they wanted to see the telescope I had in my garage. Their comments made it all worth it! Of course, they were not expecting to see something that big in my place. Being honored with the John Brashear Award in 1998 is another high point.

I have had also had the privilege to know a lot of good people in this club including those that have passed away like Leo Scanlon, Bob Florida, Lois Harrison, and John Schwartz.

Now what I enjoy the most about astronomy is showing people a view through the telescope, either at our star parties or on the street. Now it's not as much fun looking myself. It's much more satisfying sharing the views with others.

I have told this story many times, but one night at Wagman as the star party was winding down, two young men who fit the "redneck" stereotype, were taking turns looking at Jupiter through my telescope. They said nothing until one told the other, "Go get grandma out of the truck". Soon they returned helping their 80-some year-old grandmother walk. She looked for a couple of minutes then said, "I thought I would never see this". Stuff like that makes it all worth it. Now if I could just get everyone in the AAAP down to West Virginia to observe from Spruce Knob and see the Milky Way reflected in the lake!



Copyright David L. Smith Photography



Larry McHenry For President

My name is Larry McHenry. I live in the South Hills community of Baldwin. I currently work downtown as a IT systems project team leader in the healthcare industry, and I am a certified Project Management Professional (PMP). I have been active in amateur astronomy as a hobby for over 30 years. In March 1990, I moved to Pittsburgh and joined the AAAP. I've been active in attending meetings and star parties at Wagman, the old South Park site, and currently at Mingo. I've helped out at many club special events such as past Astronomy Days (at Beechwood, and the Frick Nature Center), and the current Astronomy Weekend event held at the Carnegie Science Center, Wagman WinterFest, Borders Bookstore talks, and various school-related star parties in the South Hills area. I have been a member of the AAAP Executive Committee over the years and held the office of AAAP President in the 1993 -1994 season, and served again as club president for three years from 2000 - 2003. I have co-chaired the Laurel Highlands Star Cruise for its last several years. For the past four years I've served on the Mingo Creek Park Observatory Committee, and recently completed serving as the first director of the facility during its first full year of operations. For a more detailed bio and list of my goals, you may download the following online documents:

<http://home.comcast.net/~lsmch/AAAP-bio2006.doc>

<http://home.comcast.net/~lsmch/AAAP-Vision21.doc>

<http://home.comcast.net/~lsmch/AAAP-Goals21.doc>



Ed Moss For President

I'm Ed Moss and I am running for president of the AAAP. I don't really believe in campaigning for this or any other elected office in our club, but I believe I should share with my fellow club members my contributions to the AAAP, as these relate to why I'm running for president. When I took over the chairmanship of the Mingo Construction Committee, I had a vague idea of what it was that I wanted to accomplish with this observatory. Richard Haddad had his vision for the observatory, and I made that vision my own and added a few things I thought would help in accomplishing his vision. I will work to see that vision completed as president. The following is my record of service to the AAAP:

- Member since 1998
- Star-Cruise committee 1999-2006
- Star-Cruise Chairman 2000-2001
- Executive Committee 2000-Present
- Mingo Construction Chairman 2002-2004
- Co-Director Mingo Observatory 2005
- Director Mingo Observatory 2006
- George Lindbloom Award Winner 2004



Mark Schomer For Membership Secretary

My name is Mark Schomer. I was born September 28, 1955, which if you do the math, makes me 50 years old. I became interested in Astronomy about the time I was in fourth grade in 1964. I had been following the U.S. Space Program on television beginning with John Glenn, but for some reason astronomy really fascinated me. I, of course, continued to follow the space program and even got into model rockets pretty heavily, but I always wanted a telescope. Well, my parents didn't have a lot of money and you couldn't just go to a department store and purchase a telescope so I never got one, although I do think they did try to find me one.

After graduating high school in 1973 I joined the U.S. Army. I spent two years in the army and ETS'd in June of 1975. The military was good. It taught me discipline and responsibility. I grew up fast. After the Army I spent time at California University of Pennsylvania, Penn State University, and the University of Pittsburgh. I had some personal problems come up in my life so I never graduated with a degree, but I do have a lot of credits accumulated. I always said I would like to go back and finish, but as of this moment, I have not.

As I got older I started to look at girls a little differently and that was good, however, it did distract me from astronomy. Dating and partying with friends didn't leave much time for looking at the stars. Finally I met and married my wife, Judy, and settled down a bit. I've worked at many jobs, i.e. laborer, customer service rep., carman, welder, car inspector, foreman, and repair track supervisor. Currently, I own and operate a hobby shop.

One day I was looking through some old books that had been in the basement and one of them was my astronomy book from college. I got excited and reread it again. I decided then and there that I was going to purchase a telescope. I picked up a *Sky & Telescope* magazine and looked at some ads. I remembered the name Meade from the early 70's when I used to read S&T and that is what I chose to get. Thinking this was going to be a once-in-a-lifetime purchase, I decided to get a big one, a 12" SCT. Had I known how heavy it was I would have settled for something smaller. Don't get me wrong here, I love my scope and the great views, but it is heavy. After a while I wondered if there were any clubs in the area, so I did a Google search and the AAAP came up. I went to their website and as they say, the rest is history.

John Mozer For Corresponding Secretary

John Mozer was born in Pueblo, Colorado in 1939. He received his B.S. and Ph.D. degrees from the University of Colorado and his M.S. degree from the University of Illinois, all in Civil Engineering.

In 1967 John and his wife, Sheila, moved to Pittsburgh where John accepted a position as Assistant Professor in CMU's Civil & Environmental Engineering Department and Sheila acquired a position as an elementary teacher in the Penn Hills School District. John taught at CMU for six years and then joined GAI Consultants, Inc. as a consulting structural engineer. He has been with GAI for over 32 years and is still working for them on a part-time basis. He also teaches a structural design course at CMU. John and Sheila have two adult children: Natalie, who has her own structural engineering consulting firm in Denver, and David, who is a pediatrician in Savannah.

John is relatively new to amateur astronomy and to the AAAP – he joined the organization a little over two years ago. Consequently, he still has a lot to learn about astronomy, but is delighted with the opportunities to learn from the more experienced members of AAAP. He enjoys being a member of AAAP and wants to make a worthwhile contribution to the organization.

Harry J. Noss, Jr. For Treasurer

Harry J Noss, Jr. has been a member of AAAP since 2001. He is a retired certified public accountant and has been a vice president or treasurer of Contraves Goerz Corp., of Innovative Systems Inc., and of Mashuda Corporation. He has served as treasurer of the Pittsburgh Council of the National Association of Investors Corporation (NAIC) and currently assists new companies as a volunteer with the Service Corps of Retired Executives (SCORE).



Ann Norman For Vice President

Ann Norman has been a member since 1997, and Associate Editor of the Guide Star since November 2002. She volunteers for many club events, likes to attend astronomy lectures, and has earned both the Messier Certificate and the Lois Harrison Award.



Dennis Derda For Recording Secretary

Dennis Derda remains uncontested in his office of Recording Secretary. For you folks who sit at the back of the auditorium at meetings, he is the owner of the voice reading the minutes. He is also Chair of the Optics and Telescope Making Special Interest Group.



Maureen & Bill Moutz For Guide Star Editors

Maureen and Bill Moutz have been members of the astronomy club for about 4 years. They enjoy the club so much that they wanted to become more involved and editing the Guide Star they thought would be a good start! They especially enjoy the away star parties for private groups and organizations. Bill is also a captain on Nautical Nature, a 45-passenger tour boat on Lake Arthur at Moraine State Park.

GET OUT AND VOTE

AAAP 2006 ELECTION BALLOT
 (CHECK THE BOX NEXT TO CANDIDATE OR WRITE-IN)

PRESIDENT:

- Ed Moss Larry McHenry
 Write-In: _____

CORRESPONDING SECRETARY:

- John Mozer
 Write-In: _____

VICE-PRESIDENT:

- Ann Norman
 Write-In: _____

MEMBERSHIP SECRETARY:

- Mark Schomer
 Write-In: _____

RECORDING SECRETARY:

- Dennis Derda
 Write-In: _____

GUIDE STAR EDITOR:

- Bill & Maureen Moutz
 Write-In: _____

TREASURER:

- Harry J. Noss, Jr.
 Write-In: _____

Bring ballot to May 12th AAAP meeting or mail in to:
AAAP Treasurer, 310 Barnes Street, Pittsburgh, PA 15221-3301

The AAAP needs to update its Articles of Incorporation in order to correct its address, and add language for good governance and dissolution. This is necessary to bring our governing documents up to date and also in order to continue our request for exemption from state sales tax. Please look at the enclosed document and vote!

() To APPROVE the Revised and Restated Articles of Incorporation.

() To NOT APPROVE the Revised and Restated Articles of Incorporation.

YOUR VOTE COUNTS

AMATEUR ASTRONOMERS ASSOCIATION OF PITTSBURGH, INC.

Revised and Restated Articles of Incorporation

ARTICLE I

The name of the corporation is Amateur Astronomers Association of Pittsburgh, Inc. (hereinafter referred to as the "Association" or "AAAP").

ARTICLE II

The registered office of the Association in the Commonwealth of Pennsylvania is: Carnegie Science Center, One Allegheny Avenue. Pittsburgh, PA 15212-5850.

ARTICLE III

Purposes

The Association is organized for the following purposes:

Section 1: To engage in and have unlimited power to do any lawful act concerning any or all lawful purposes for which nonprofit corporations may be incorporated under the Nonprofit Corporation Law of the Commonwealth of Pennsylvania, as amended, under the provisions of which the corporation is incorporated, including but not limited to the promotion of the interests of astronomy through public education programs and scientific research.

Section 2: The Association is organized exclusively for educational purposes, including, for such purposes, the making of distributions to organizations that qualify as exempt organizations under section 501(c)(3) of the Internal Revenue Code of 1986 (or corresponding provision of any future United States Internal Revenue Law).

Section 3: No part of the net earning of the Association shall inure to the benefit of, or be distributable to its members, trustees, officers, or other private persons, except that the Association shall be authorized and empowered to pay reasonable compensation for services rendered and to make payments and distributions in furtherance of the purposes set forth in this article.

Section 4: No substantial part of the activities of the Association shall be the carrying out of propaganda, or otherwise attempting to influence legislation, and the Association shall not participate in, or intervene in, (including the publishing or distribution of statements) any political campaign on behalf of any candidate for public office.

Section 5: Notwithstanding any other provisions set forth herein, the Association shall not carry on any other activities not permitted to be carried on (a) by a corporation exempt from federal income tax under Section 501(c)(3) of the Internal Revenue Code of 1986, as amended, or corresponding provisions of any subsequent federal tax laws, or (b) by a corporation contributions to which are deductible for federal income tax purposes.

Section 6: The Association does not contemplate pecuniary gain or profit, incidental or otherwise, to its members.

ARTICLE IV

Term of Existence

The Association shall exist perpetually.

ARTICLE V

Incorporators

The name, place of residence and post office address of each of the original incorporators at the time of incorporation was as follows:

Charles T. Reiland
5540 Avondale Place
Pittsburgh, PA 15206

Robert Stark
5846 Darlington Road
Pittsburgh, PA 15217

Glen A. Winterhalter
2321 Sawmill Run Blvd.
Pittsburgh, PA 15210

ARTICLE VI

The Association is to be organized upon a non-stock basis.

ARTICLE VII

Dissolution

In the event of dissolution of the Association the Executive Committee shall, after paying or making provisions for all the liabilities of the Association, dispose of the assets of the Association in such a manner, or to such organizations established and operated exclusively for charitable, educational, or scientific purposes, which shall at the same time qualify as an exempt organization or organizations under Section 501(c)(3) of the Internal Revenue Service Code of 1986 (or the corresponding provision of any future United States Internal Revenue Law) as the Executive Committee shall determine. Any of such assets not so disposed of shall be disposed of by the Courts of the County in which the principle office of the Association is then located, exclusively for such purposes, or to such organizations, as said Court shall determine which are organized and operated exclusively for such purposes.

ARTICLE VIII

Amendment of By-Laws

The power to make, supplement, amend or repeal the Code of By-Laws of the Association is vested in the membership.

NOTES ON CHANGES

ARTICLE II, update address.

ARTICLE III, Sections 4 & 5 have been added to comply with present governance standards.

Article VII has been added to fulfill the inclusion of dissolution language in the Articles identical to the language contained in the Bylaws.

The other "Purposes" are directly from the original Articles of 1977 and the amendment in 1978.

**Light Pollution Woes**

Rodney Horner's article in the January issue of *The Guide Star* prompts me to relate my experience in Cheswick. Unfortunately, the outcome here was not as favorable as his, but it shows how unaware and uncaring non-astronomers can be. Normally, my back yard is a good viewing spot especially to the east and north. However, last summer the Cheswick Volunteer Fire Department remodeled the firehouse and in the process added four **very** bright lights, probably halogens, which dominated the neighborhood and spoiled my view. The lights are multidirectional: up, down and horizontal, supposedly to aid drivers in backing vehicles into the garage. In reality, the lights glare right in the drivers' eyes, also. When I told several firemen that the lights diminished my telescope or binocular views, I was met with laughs, and they actually seemed quite proud of their excess. Recently two of the four lights disappeared, probably because of electric bills rather than my comments. I anxiously await spring so some of the light will be blocked by foliage for a few months. I agree that the building should have outside lights, but they could be shielded and/or directed at the building rather than into the neighborhood. Of course, on a grander scale is the Pittsburgh Mills abortion that affects every stargazer in the Allegheny Valley.

Tony Parker

Greetings & Felicitations
to New Members

Welcome to the new members who were voted in at the last
business meeting!

BOB BLAIR
KAVEENA CHALLA
JOSEPH A. CHAVEZ
RICHARD W. FRYE
JOHN D. MILLER
GARY SNODGRASS

Announcing the Kepple and Sanner 400 Observing Certificates

You probably know of or may even own the 2 volume set "The Night Sky Observer's Guide" by George R. Kepple and Glen Sanner. George and Glen were long time members of the Kiski Astronomers, a small rural astronomy club in western Pennsylvania.

In order to honor these men and their publication, the Kiski Astronomers are offering 2 observing certificate programs based on the ***** and **** objects listed in the NSOG books.

1. The Showpiece Objects Certificate – An introductory certificate requiring the observation of 94 objects. This is a listing of Kepple and Sanner Volumes 1 & 2 ***** objects with Declinations north of –30 degrees. It includes many bright, familiar objects (e.g., M-Objects) and helps the observer begin his pursuit of the somewhat more challenging Comprehensive Certificate. While the Declination “cut-off” of –30 degrees eliminates 7 spectacular objects (e.g., NGC-5139 and NGC-5128), the remaining objects should be observable by individuals from northern latitudes similar to that of the Kiski Astronomers.
2. The Comprehensive Certificate – This is a listing of all Kepple and Sanner Volumes 1 & 2 ***** and **** objects regardless of Declination. Observing all 400 objects may require observations to be conducted from various sites at a variety of latitudes. Kepple and Sanner recently updated the visual ratings of several of these objects. Consequently, 7 of them were promoted to while 9 others were removed from the ***** and **** lists. Thus, your volumes will not be in a 1:1 agreement with the K&S 400 logging sheets.

Please note:

- The use of go-to telescopes and digital setting circles is permitted.
- If you previously completed the Astronomical League's Honorary Messier Club certificate program or have compelled a Messier program with your local astronomy club where you observed every Messier object, you can receive credit for those observations.
- The certificates are issued free of charge. For complete details, download the K&S 400 introductory material and logging sheets in Adobe Acrobat (.pdf) format from these sites:

Kiski Astronomers' Public Download Site:
<http://mysite.verizon.net/tntrees/index.html>

Josh Barto's Kiski Astronomers' "Headquarters"
 Site has a separate URL for each file:
<http://www.phoenixgalacticalliance.com/Files/KiskiAstronomers/Kepple-Sanner-400-doc.pdf>

<http://www.phoenixgalacticalliance.com/Files/KiskiAstronomers/kepple-sanner-400-log.pdf>

Please write to me at TNTrees@BellAtlantic.net if you have any questions.

Thanks for your interest.

Terry N. Trees
 K&S 400 Coordinator
 Kiski Astronomers



TO OBTAIN A COPY OF THE
 MAY CALENDAR, PLEASE GO
 TO THE GUIDE STAR WEB
 PAGE BELOW:
WWW.3AP.ORG/CALENDAR

**Σ Amateur Astronomers Association of
Pittsburgh, Inc. Σ**

Founded June 9, 1929 by Chester B. Roe and Leo J. Scanlon

2005-2006 Executive Officers:

President:	Richard Bailey richbailey@att.net	412-766-3527
Vice President:	Ann Norman redmarsmom@aol.com	412-242-6806
Treasurer:	John Holtz jwholtz@aol.com	412-243-1545
Corresponding Sec:	Charlotte Tunney tunneyc@carnegielibrary.org	412-441-3958
Recording Sec:	Dennis Derda derdad@capa.net	724-224-4688
Membership Sec:	Mark Schomer mark9@zoominternet.net	
Guide Star Editor:	Maureen & Bill Moutz sailboat25@comcast.net	412-795-1730

AAAP Member Dues*:

AAAP Dues:	\$18.00
Junior Member (under 18):	\$13.00
<u>Sky & Telescope</u> Magazine:	Add \$33.00
<u>Astronomy</u> Magazine:	Add \$34.00
<u>Night Sky</u> Magazine:	Add \$18.00

***Basic Procedure for Paying Dues:**

1. Make check payable to "AAAP Inc."
2. Send check to John Holtz, Treasurer,
310 Barnes Street, Pittsburgh, PA 15221-01



NON-PROFIT ORG. U.S. POSTAGE PAID PITTSBURGH, PA PERMIT NO. 394	RETURN ADDRESS: AMATEUR ASTRONOMERS ASSOCIATION OF PITTSBURGH, INC. 310 Barnes Street Pittsburgh, PA 15221-3301
--	--