

ATLANTA ASTRONOMY CLUB

INCORPORATED

APRIL MEETING: 8:00 PM, Bradley Observatory, Agnes Scott College, Friday, April 15, 1983.

PROGRAM: SOLAR ASTRONOMY by Dr. William Calder. Refreshments by Bud Rosser.

OBSERVING SESSION: The NEW MOON occurs on the 13th at 2:58 a.m. EST. The First Quarter is on the 20th at 3:58 a.m. EST. Maybe, if the Weather Man doesn't see this, he won't mess up the seeing for us this month. For all you late-nighters-or early-risers-you can see the spectacular Lyrid meteor shower at about 3:45 a.m. on the 22nd.

NOTE: National Astronomy Day is Saturday April 23rd. Orion, Hyades, Pleiades, Venus, and Mercury have agreed to show! Also, the Moon will provide beautiful interference.

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TREASURY NOTES

AAC is pleased to welcome a new member- W. Frank Winecoff, Jr. at 2734 Peachtree Rd. NW, Apt. A-107. Telephone: 261-6112.

If you see an "X" in this box [], it means, unfortunately, that you are delinquent in your AAC dues and therefore will be dropped from the May membership list. Why not avoid this situation by sending us your check in the amount of \$25.00 promptly.

Carroll EMC has increased its electric rate by 4.8%, so when you visit Villa Rica, please increase your enjoyment by 4.8%.

We were pleased to have eleven visitors at our March meeting. They are receiving this News Letter and a membership application form. Hopefully we'll get some new stars in our crown as a result.

AAC MEMBER FEEDBACK

The returns on our questionnaire were very gratifying. We received 41. They have been compiled and we attach a copy for your interest. Call a kindred soul and share your expertise! The "Interest" is (G)eneral; (O)bservational; (T)heoretical; or (A)strophotography. Get it? Note: Those of you who have not as yet sent in your questionnaire are urged to do so as we want our records to be as complete as possible.

Incidentally, members who want to work on the Club Telescope Project, should contact either Don Hall (938-8139) or Lee Wilson (872-8534). All help is welcome.

Re 1983 AAC Officers: George Reight and Lee Wilson have about completed the slate so if you want to be a candidate for any of the vacancies, tell George or Lee promptly.

TELESCOPE COMMITTEE REPORT

The telescope committee would like to provide you with more information on the AAC Observatory projects. First, the 20" fork mounted Newtonian telescope is under construction. The optical tube components have either been purchased or being fabricated or machined by George Roberts and should be completed by late April. The mirror needs to be re-aluminized and will be shipped to a California coater in the near future. The fork, RA, and DEC shafts, and related mounting components are being machined or fabricated at Emory University by Ray DuVarney. The RA and DEC drive parts will be purchased in the not too distant future. Current plans call for the telescope to be mounted at the Villa Rica Observatory by late summer. In addition, Richard A. Fagin of Summit Instruments is donating an 8" Cassegrain optical system which will be mounted on the 20" telescope.

The 8" Maksutov, currently mounted at the Observatory, will be removed from its pier and placed on a portable mount. This will allow the Club a little more flexibility in the use of the Observatory building.

Another Club telescope, the 13.1" Odyssey, will continue to be available for use by Club members. This scope has been used in recent months for personal observations and public programs.

Finally, the AAC Board of Directors has approved the purchase of another telescope to be mounted at the Club Observatory. It will be mounted on the pier currently holding the 8" Maksutov. A description of the scope is as follows:

- CAVE 10" f/6 Newtonian reflector
- Heavy duty German equatorial mount
- Electric RA and DEC drive corrector
- Rotating tube
- 3" f/15 refractor for a guide scope
- 1 1/4" and 2" eyepiece holder
- 9mm and 25mm eyepieces

The 10" telescope will be on display at the April Club Meeting. Following the meeting, information on its use and care will be offered to Club members. If you plan to use this instrument please take time for this instruction.

ALL FOUR of the Club telescopes are or will be for YOUR use for both visual and photographic applications. The Board of Directors and the Telescope Committee certainly hope you will use and enjoy these instruments.

Telescope Committee
Don R. Hall

(Ed. Note: The Observing Chairman will prepare procedural guidelines re use schedules of these instruments by AAC members.)

ATLANTA ASTRONOMY CLUB GALA BANQUET

Plan now to attend the AAC Gala Banquet on Friday, May 13. Our speaker, Robert E. Cox, really needs no introduction to those who have followed astronomy and telescope making for the past several years. Bob Cox formerly conducted "Gleanings for ATM's" in "Sky and Telescope" for many years. Presently he is Associate Editor for "Telescope Making" magazine. Bob has authored numerous articles for all the major astronomy publications and is noted as one of the nation's leading experts on amateur telescope making. He has also spoken and conducted workshops at all the major amateur astronomical conventions, star parties, and telescope making conferences.

Using his own slides dating back to the 1937 Stellafane, Bob will trace the history and evolution of amateur telescope making in his talk entitled "Amateur Instrumentation: Past, Present, and Future" No one interested in astronomy will want to miss this event.

To allow many out-of-town guests to attend this special banquet and to assure excellent food without an astronomical cost, the gala banquet will be held at the Northlake Old Hickory House at 9:00 pm. Our menu will consist of Barbeque Ribs and chicken; two vegetables; ice cream with peach cobbler; and iced tea. The price is \$9.00 per person and with seating being limited, please make your reservations by May 1.

The Northlake Old Hickory House is located at 2202 Northlake Parkway, Tucker, GA, just one block north and two blocks west of the intersection of I-285 and La Vista.

FOR THOSE who can't figure out what to do before 9:00 pm, there is available a HAPPY HOUR at the Northlake Sheraton, one block from the Hickory House.

INTRODUCTORY TELESCOPE MAKING WORKSHOP

The AAC, in conjunction with Bradley Observatory at Agnes Scott College will hold a telescope making workshop on Saturday, May 14 at 9:00am until about 1:00pm, at the Observatory on the College Campus. This workshop will introduce the concepts and techniques involved in building a Newtonian telescope. The workshop will be conducted by Robert E. Cox, Associate Editor of "Telescope Making Magazine". This workshop will help the beginner find out how to get started in building his/her own instrument and will give the more advanced telescope maker an understanding of some of the finer points.

The topics on the workshop agenda will include:

- * A history of local telescope making activities
- * Types of amateur telescopes
- * Reference sources and where to obtain materials
- * Dobsonian telescope basics
- * Engineering a Dobsonian telescope
- * Introduction to mirror grinding
- * Additional mirror making techniques
- * Equatorial mounting systems
- * Advanced topics & questions and answers
- * Additional topics may be presented

The workshop is free and open to the public. Refreshments will be served.

Atlanta Astronomy Club Feedback.

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Name           Prof.           Telescope           Int  Skills
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Abbey,L
Aldridge,S
Alexander,Peter Airline Pilot  Celestron-8       OTA
Armstrong,J
Barber,W.F.
Bartlett,Sarah
Beales, Alvin L.
Beck,L         Assoc.Mgat      6" & 10" Newtonians
                "              60mm Refractor    BA   Needs darkroom
Beitzel,V
Benoit,R
Boland,E.C.    Sec'y (Ret)    "Skyscope" 3 1/2" Reflector  G
Brady,R        Arch.Draftmn   None              G   Captr,Am.Radio,Gem Cutting
Brooks,A.Blaine None           Meade,8"         0   Deep-sky objects,Obs.notebook
Brown,James B.
Brown, John L.
Buchanan, T
Bucsele,Eric
Calabro,M&C
Calder, W
Camp,Shaun
Campbell, Tut  Tele.Sales     14.5" Newtonian   DA   ATM,Newtonian Reflectors
                "              4" Alvan Clark Refractor    Collects Rare Astro Books
                "              6"Alvan Clark Refractor    Collects Brass Telescopes
Carlisle,J
Christensen,M
Clark,Rick     Photographer    17.5"Dobsonian    0   ATM (No optics yet)
                "              82mm,f/3.9 Refractor    Photo Processing,etc
                "              4.25",f/3.5 Reflector
                "              2" Refractor
Close,W
Conkle,W
Conoley,J
Coward,R
Davis,J.Allen  Air-comm       8",f/7 Craftsman  0   Might sell the 8"
                "              Homemade 6",pipe mount
Davis,R.S.
Davis,Wm.G.    Physician      None              G
De Roberts,R
Dickson,R.E.   Personnel Mgr. Celestron -90     G
Dill, Paul
Dreyer,H.H.Jr. Engineer       Newtonian,self-built  G
Dugger,Neil R. Airline Pilot  Edmunds 200       0
Dunn,F
DuVarney,R
Emory,W        C.P.A.         None              G
Falkenberg,R
Ford, R.H.     Ins.Broker     Astroscan,3"      GO
Fried,R
Gibson,Joseph  Dentist        Meade 2080        A   Photography,Own Color Darkroom
                "              Wants AAC Mirror Grindg Course
                "              AAC Tele.Proj.involve more mbrs
Glisson R

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Atlanta Astronomy Club Feedback.

Name	Prof.	Telescope	Int	Skills
=====	=====	=====	====	=====
Goode, Archie				
Hall, D	Mfr's Agent	Celestron-8; 8"Schmidt Camera	A	
Hall, S.V.	Banker	Meade 2080	0A	Photo, Captr Prog; Syst Design
Hayward, R				
Hegerberg, B				
Henry, Dan L.	Chemist (Ret)	Own 10" Cassegrain	G	Wood & Metal Working
Holt, Dennis M.	Sci. Teacher	8" Meade; Edmonds Astroscan	0	Am. Radio-N416X; Radio Astr.
Hood, R				
Howard, Ernest				
Humphries, J				
Hyde, R				
Johnson, H	Retired	3" Brass, wood tripod (1915)	G	Wants to fin. 1950 6" Refl. Tele.
Johnson, M.G.	Retired	Own make 6"; f/8.583	A	Show slides, schools, church
Johnson, Ray L.				
Johnson, Ronnie				
Kieffer, R				
Knotts, M				
Kreiger, K				
Lancaster, J.M.				
Landis, H				
Langford, W				
Langoussis, A	Photographer	Criterion RV-6 Refl; Astroscan	0	
Leonard, J.G.				
Marcus, M				
Marsh, John E.				
Mason, L				
McClatchey, J				
McKinney, N				
Meylan, Tom	Student	8" Newtonian	GT	Enthusiasm
Milledge, R				
Mitchell, H.E.	Retired	8" Cave Astrolab	G	
Morley, T				
Morris, D.A.	Electrician	None	0	
Morris, T				
Muster, J	Stockbroker	Homemade 8" Newtonian	G	
O'Brien, James				
Oliver, Adrian L.	Physicist	3" Refractor; 8" Newtonian	GA	Teaching physics
Page, B				
Parker, John W.	Electron Engr	Celestron-8; 5" Refractor 10" Newtonian	A	
Pharo, Neil R.	Communications	Celestron-8; 60mm Binoculars	60	Am. Radio, Electronics
Powell, E				
Reight, G	Mgmt Consultg	Celestron-8	GT	Mechanical Drafting
Reynolds, W				
Rhoads, Jay				

Atlanta Astronomy Club Feedback.

Name	Prof.	Telescope	Int	Skills
=====	=====	=====	====	=====
Rhodes, John				
Roberts, D.W.	Physicist	4.25" f/4 Newtonian	0A	Optical Fabrication
"		6" f/8 Newtonian		(Coating design)
"		82mm f/4 Refractor		(Substrate fabrication)
Roberts, G.B.				
Roberts, Wm. C.				
Rockwell, Tim	Sheet Mtl	12.5" f/6 Dobsonian		
Rosser, C.L.	Health Adm	10x50 Binoc.; Tasco 20-60x	60	Music; Radio MC; tw&crt typg
Rush, E.E.				
Rush, Steve				
Sammons, Pat	Chemist	Meade 8", f/6, Newtonian	TA	Captr Progm; Dig. Electronics
Schweiser, S.G.	Economist	Astroscan 2001	60T	
Sikes, Craig				
Slaseman, D				
Smith, D.H.				
Snell, W				
Speering, D				
Sprenger, J				
Staal, J.				
Steakley, W				
Stenger, Ray				
Stokes, B.B.	Engr. (Ret)	4.25" Astroscan	G	
Strand, D				
Taylor, R				
Techo, R				
Teepie, H.D.	Prop'r	Celestron-8	0	Printing, Wood Working
Thomas, Everett	Captr. Terminal	None	G	
Truxes, A				
Tyler, H				
Voight, C				
Washburn, W				
Wedel, E				
Whittle, W.R.	Captr. Analyst	Celestron-8	0A	Deep-sky observing
Widener, J				
Wiegel, K				
Williamson, R				
Wilson, L				
Winecoff, W.F.	Contractor	Meade 2120	6A	
Winter, P. & J.	Data Proc	Odyssey	60	
Wood, R.E.				
Wreen, J.E.	Chem. Teacher	None	6T	
Young, D.F.				