

The Focal Point

The Atlanta Astronomy Club
Established 1947
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Editor: Keith Burns

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Year 2002-2003 Election Nominees

For those of you who were asleep in class :-), the following have expressed their interest in running for board positions. Nominations are still open until the election itself.

President: Bear Simmons, Phil Sacco. VP Programs: Carol Abernathy. VP Observing: Sharon Carruthers. Treasurer: Harry Falise. Corresponding Secretary: Keith Burns. Recording Secretary: Art Russell. Board (Three 2-year positions open, plus one 1-year position if Bear Simmons is elected). Phil Danneman, Ken Gabrielson, Rich Jakiel, Ken Poshedly, John Lentini.

May General Membership Meeting

After the April meeting, I had several people come up and volunteer their services to speak to the club. I accepted the first offer, but that is not to say that I don't plan to take you others up on the offer! Also, anyone interested in speaking in the future or perhaps being on a panel for a forum (more to come on that later), please don't be shy! Personally, I have always enjoyed our own "AAC" speakers and learned from what they have offered.

Our May speaker is Walter H. Breyer, PhD, who has been a member of the AAC since he moved to Atlanta in 1996 from Philadelphia. Dr. Breyer is the secretary for "The Antique Telescope Society." The topic is "Old Telescopes." This dis-

cussion will cover telescope makers; some of the travels that Dr. Breyer has made with the Society; and he will also be bringing some of his own equipment for us to see!

During the meeting, there will also be a portion where the elections and any other business can be handled. We look forward to seeing you on May 17th.

Thank you, Carol Abernathy Program Chair.

Boy Scout Volunteers

We have about half of the commitments we need for Summer Camp Astronomy. Here are the days we have nobody signed up for yet: **Woodruff**: June 13, 25, 27 July 9, 18, 23, 25. **Bert Adams**: June 6 July 7, 8, 10, 11, 13, 17, 18.

The following days have only one astronomer per night signed up so far: **Woodruff**: June 18 July 2. **Bert Adams** June 11, 13, 18, 20, 25 July 14, 15.

Call a friend and make arrangements to come out and practice your constellation-finding, public-speaking, and relating-to-young-people skills. Your participation is good for the Scouts, for the Club and for you-and it's fun. Please contact me at 770-984-0175 evenings or email at johnlentini@yahoo.com, to sign up. **Thanks.**

Open House at Walter Barber Observatory

There will be an open house/orientation at VR will start at 7:00 p.m. (sun sets at 8:30 p.m.). If anyone is interested in some help with their scopes or in bringing stuff for a swap meet; we will be on site at 5:00 p.m. We will cook up some burgers & dogs for sale.

Sharon

FROM THE PREZ'S DESK.....

This is it — my last column as your president — for real!!

I want to thank everyone who has served with me for the last two years – my Boards have been a great bunch of guys &

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gals. We have butted heads a few times, but also worked hard and accomplished a lot in the last 2 years. I think we have been part of one of the most productive and exciting times in AAC history. I have learned so much from you – and I want to thank you all you for being there for me at every turn.

And to the new President, I extend my wishes for the best of luck during your term.

Sharon Carruthers

June Banquet

The Banquet has been rescheduled for June 21st, 2002 at 7:00 p.m.. Location for the Banquet is Dave & Busters, located near Gwinnett Place Mall. Our Guest Speaker will be Dr Sten Oldenwald who runs “The Astronomy Café” website; and wrote “The Astronomy Café” (1998). His newest book is “Patterns in the Void: Why Nothing is Important” (June 2002). Cost of the dinner is \$22 per person. You MUST reserve and prepay before the Banquet. Menu includes Fruit & Cheese Appetizers, Potatoes; Corn, Green Beans, Salad, with a choice of either Roast Beef or Grilled Chicken. Note that there is a cash bar. Please send your check, payable to the Atlanta Astronomy Club, to: Peter Macumber, 1057 Trestle Dr, Austell, GA 30106. (Please, DO NOT send it to the Canton Rd address).

GASP

AKA as Georgia Astronomy in State Parks. This rebel group of Atlanta Astronomy Club members takes astronomy to the state parks where we show the public the wonders of the night sky. We camp for the weekend to and enjoy the parks we visit. The next event is scheduled for Memorial Weekend. For the first time since this group was founded, we are venturing outside of Georgia. This time our visit takes us to Monte Santo State Park located a few minutes east of downtown Huntsville, Alabama. The park is located on top of Mount Santo. This is also the location of the Von Braun Astronomical Society’s club Observatory. They will be joining us for this event. The event will take place from Friday May 24th thru Monday May 27th. For more information, please contact Joanne at either email starrynights@AtlantaAstronomy.org or phone 770-898-4271 (call evenings only before 10PM please).

Astronomy at Florence Marina State Park

Located near the town of Omaha, Georgia and not it’s far bigger sister town of Omaha, Nebraska. Cows were sighted near the park which means this is a good observing location for all concerned about such matters. The place is about a 3 hour drive south of Atlanta along the Georgia and Alabama border.

It was a good weekend at Florence Marina and Providence Canyon. Not a huge crowd from the public but a perfect size



My telescope is unusual as it is. I’ve only seen one of it’s kind up to now and that was mine. It’s really weird when you find another one just like it at a state park of all places. Picture above is the twin scope and picture below is the original scope I own.



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for those of us who showed to give them a nice tour of the stuff in the sky. The weather was hot and HUMID on Saturday but seemed to dry up a bit on Sunday and the wind provided a nice breeze in the afternoon. At worst it was PC but most of the time the skies were clear.

We were able to locate four of the planets in the western sky. Jupiter, Saturn, Mars and finally Venus. Mercury was too low to be seen from our location. With the help of Peter and the use of my 6 inch scope, we attached a video eyepiece to the scope and provided folks a view of Jupiter and the Moon on the TV screen.



Moon TV. Okay, where's the remote?

We spent most of the time focused on the moon. After finally working the bugs out of the system, the scope was tracking like it should. It's amazing how well the scope works when you engage the clutch on it. We got a nice slow scan of the surface of the moon. With a little bit of studying we could see a lot of detail on the surface. Even on a TV screen.

My 6 inch scope has a brother. There is another scope like it. The folks at Florence Marina have the exact same scope. Except mine has all the parts. Steve Joiner and Family came out for the night to. We had four scopes on the field including 2 six inch SN's, 1 ten inch orion dob, and 1 fifteen inch Obsession. The ISS made a pass over to the south and only a few of us were lucky enough to see it. After a few hours we retired to the campground and a nice fire. Spanish moss hanging in the nearby trees to boot. Ahhh camping.

The next day we toured Providence Canyon located nearby. WOW about is the best way to sum it up.

Keith, Roaming Astronomer.



Providence Canyon. This only a small part of it.

The **Atlanta Astronomy Club Inc.**, the South's largest and oldest astronomical society, meets at **8:00 p.m.** on the third Friday of each month at Emory University's White Hall or occasionally at other locations. Membership is open to all. Membership fees are **\$30** for a family or single person membership. College Students membership fee is **\$15**. These fees are for a one year membership.

Magazine subscriptions to Sky & Tel or Astronomy can be purchased through the club for a reduced rate. The fees are **\$30** for Sky & Tel and **\$29** for Astronomy. Renewal forms will be sent to you by the magazines. Send the renewal form along with your check to the Atlanta Astronomy Club treasurer.

Club address is:	Treasurer's address is:
Atlanta Astronomy Club	Peter Macumber AAC
PMB 305	1057 Trestle Drive
3595 Canton Road A9	Austell, Georgia 30106
Marietta, Georgia 3006	

Atlanta Astronomy Club Hot Line: Timely information on the night sky and astronomy in the Atlanta area. Call **770-621-2661**.

Internet Home Page: <http://www.AtlantaAstronomy.Org>

Send suggestions, comments, or ideas about the website to webmaster@AtlantaAstronomy.org. Also send information on upcoming observing events, meetings, and other events to the webmaster.

Ummm...That Treasurer Guy

My name is Harry Falise, and I'm the one (and only?) nominee for Treasurer for the May elections. Therefore, you may wonder, "why the promo?". Well, not being one of the more visible members for most of my 5 years in the club, here's some info that may help out: I'm a controller for a mfg firm near Decatur, a CPA, and held a similar position for about 2 years for other clubs. I hope to provide the board and membership regular financial statements, ensure prompt processing of renewals of memberships and subscriptions, and to promptly provide information to new members.

I would also like to work with the Recording and Corresponding Secretaries to create an effective Administrative "team" for the club and ensure that funding limitations set in the budget

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or by vote are communicated and enforced. Also, I plan to be at all meetings and be responsive to your needs. Oh, and maybe I'll finally refurbish by 10" dob and work on a companion for my lonely Messier Pin. Thank you. Harry Falise (hfalise@ceradyne-thermo.com)

Get the Focal Point Online

The Focal Point is available online in PDF format. The PDF version is also in color. The free Adobe(R) Reader allows you to view, navigate, and print PDF files across all major computing platforms. Download the free reader at www.adobe.com

Visit www.AtlantaAstronomy.org on the web. The link to Focal Points is located at the top of the front page of the website. If it works for you and you want to get the FP via email, send Peter Macumber an e-mail at pmacumber@nightsky.org. The Focal-Point web can be entered by using the Username of AAC and a password of **Aries**. These names are case sensitive! Type AAC and **Aries** exactly as you see it here.

Candidate Message

Hi Everyone. My name is Bob Simmons. Most of you know me as "BEAR". I am running for AAC President this year.

For those of you unfamiliar with me, I have been a Board Member for the past three years and it's Chair for the last two years. These years have been marked by incredible positive growth for this club. The club has gone from one (no longer dark) site at Villa Rica to three sites today: VR, CEWMA, and especially Woodruff; where we entered into an unprecedented and historic agreement of ongoing relationship with the Boy Scouts of America. This agreement has become a model for other astronomy clubs and the Scouts throughout this country.

In addition I brokered a deal between opposing factions of this club that got Woodruff up and running in just a few months (as opposed to years) and funded completion of the many outstanding projects at VR, making both sites a credit to this club. I have also been an ardent advocate and attendee of Public Outreach Programs, especially the highly successful GASP Events. These events are an integral part of the educational and public outreach aspects of our charter.

As your Board Chairman, I have conducted quiet, calm, rational, wide ranging, and productive discussions that have allowed the club to flourish and progress. It is important to continue building the infrastructure of the AAC to best serve our current members while accommodating future growth in our membership. I would like your vote on May 17th to continue this solid forward progress into the future.

Thank you, Bear Simmons

Atlanta Area Astronomers Listserv

While the Focal Point is a good source for information among other things, it cannot be undated after it is printed. If you have email access with a computer, then you can subscribe to the Atlanta Astronomers Listserv. This is a great source for up to the minute info on observing events. You can also post questions about astronomy. You can talk to fellow astronomers about the hobby or other things related to it.

Subscribe to the Atlanta Area Astronomers Mailing List: The name of the new list is: AstroAtlanta. The address for messages is: AstroAtlanta@yahoogroups.com. To add a subscription, send a message to: AstroAtlanta-subscribe@yahoogroups.com. To cancel your membership, send a message to AstroAtlanta-unsubscribe@yahoogroups.com. Messages for the list-owner (me) go to: AstroAtlanta-owner@yahoogroups.com or to LAbbey@mindspring.com. The "home page" for the list, from which you can change your account defaults is: <http://www.yahoo.com/group/AstroAtlanta>. This list is owned by Lenny Abbey.

Minutes from April 19th General Meeting

Meeting called to order at 8:10 by Sharon Carruthers. A thanks to Julie Moore for providing refreshments at the meeting. She won't be able to attend next month, so a volunteer is needed to provide for refreshments for the May General Meeting. The speaker for the evening is Julius Benton, the Executive Director of ALPO, and the coordinator of the Venus, Lunar and Saturn Sections of ALPO. Welcome and greeting to visitors and new members, we'll be meeting at Athen's Pizza after the General Meeting.

Committee reports:

Treasurer: Peter Macumber No Report. Program VP: Carol Abernathy Banquet to be held June 21 at 7:30PM. Info is posted on web site at <http://www.atlantaastronomy.org>. \$22.00 per person. Speaker is Sten Odenwald, Author of Astronomy Cafe, and the Ask the Astronomer web site. Glen Burns, local TV meteorologist, may speak in July. Carolyn Shoemaker is confirmed for the Expo. Any topics/speakers that are available should be passed on to Carol Abernathy. Observing VP: Sharon Carruthers and Committee. No Report. Next Open House is May 18 at Villa Rica. Villa Rica: Combination Locks changed; contact Rich Jakiel or Stef Whetstone for new combinations. Corresponding Sec.: Keith Burns No Report.

Charlie Elliott: Phil Sacco. Open House at CEWC on April 20th cancelled. Picnic on May 19th at 4:00 & Chapter Organization Meeting. GASP: Joanne Cirincione Next event April 20th at Florence Marina. May 24-25 Monte Santo, AL. Elections: To be held May 17 at the regular meeting. Format of meeting: Local speaker and short discussion by candidates. Sidewalk Astronomy: Mark Banks Chattahoochee High School 4/24. GA/

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AL Free Thought Society at Lake Hypatia. Light Pollution: Tom Buchanon No Report.

Peach State Star Gaze: Ken Poshedly. Date to be October 3rd through October 6th. Registration forms on-hand, provided at the meeting. Speakers: Will Tirion and David Levy. No Walk-ins, Accommodations are bunkhouse and camping Meals are pre-paid. Atlanta Astro ExpoII: Tom Crowley May 3: Professional Astronomers, \$10; 9am - 4pm, 10+ speakers. 6:00 Social Hour, 7:00 Buffet Dinner \$20, and 8:00 Carolyn Shoemaker Presentation. May 4: Expo, \$10 speakers to include Carolyn Shoemaker, Dr. Michael Covington, Art Russell. May 5: Telescope Workshops: Free. Boy Scouts/Woodruff: Sign-up sheet available for summer volunteer spots. Staffing for Tuesdays and Thursdays is required. Also for Bert Adams camp.

Nominating Committee(Alex Langoussis, Rauna Long, Frank Marchese, and Art Russell): Nomination results, in accordance with the by-laws: President: Phillip Sacco and Robert "Bear" Simmons. Program VP: Carol Abernathy. Observing VP: Sharon Carruthers. Treasurer: Harry Falise. Corresponding Secretary: Keith Burns. Recording Secretary: Art Russell 3 Board Positions: Phil Danneman, Rich Jakiel, Ken Gabrielson, Jim Moore, Ken Poshedly, John Lentini.

Presentations:

Lenny Abbey presented "The Dangers of Case Foam Lining" John Lentini presented a special resolution to the membership. The club should purchase a digital LCD Projector for presentations, and a Laptop to drive said projector. The topic was discussed and tabled pending consideration of the Board of Directors.

Julius Benton, the Executive Director of ALPO, and the coordinator of the Venus, Lunar and Saturn Sections of ALPO, spoke on observing Saturn. ALPO information can be found at <http://www.LP.arizona.edu/alpo>. The meeting adjourned to Athens Pizza at 10:00.

Contributing to the Newsletter

Please send articles, pictures, and drawings on anything astronomy related. All formats are acceptable. Pictures can be sent as either JPEGs, GIFs, or other formats. I can also scan hard copies of pictures. Articles can either be sent to Keith Burns 3740 Burnt Hickory Road Marietta, Georgia 30064 or email at Keith_B@bellsouth.net. You can submit articles anytime up and including the deadline date. The **deadline** for the **June issue** is **June 1st**.

Important Elliott Chapter Meeting

There will be meeting at the Charlie Elliott Visitors Center. Special guest appearance will be made by the former AAC President, Sharon Carruthers. The meeting starts at 4PM on Sunday May 19th. There will be a short Elliott Chapter meet-

ing. This will be followed by an astronomy program and a bring-your-own picnic. The purpose of the meeting is to form the Elliott Chapter. All interested folks who are part of the Elliott Chapter please come to this meeting.

Directions: Take Interstate 20 to Exit 98 (Ga. 11). Go 7 miles to Mansfield. From the city of Mansfield, go 2.7 miles south on State Route 11, and watch for the sign at Marben Farm Road. Follow signs to the Charlie Elliott Wildlife Visitors' Center. Charlie Elliott Wildlife Center (770) 784-3059. Note: From the intersection of I-285 and I-20 east of Atlanta, the trip should take 45 minutes or less. So, mark your calendar, and be with us for a time to remember. Things are looking up at CEWMA.

Outdoor Festival & Jakes Day

Charlie Elliott Wildlife Center's Outdoor Festival & JAKES Day will take place on Saturday, May 18, 2002 on the ground of Charlie Elliott Wildlife Management Area. This event is designed to educate the general public about various aspects of wildlife and outdoor opportunities. As in previous years, we plan to offer an array of activities and exhibitors for the thousands of people attending this festival.

The Atlanta Astronomy Club will have a table setup to promote the club. If you want to help out, please contact Sharon Carruthers at 770-941-4640 or email at SCarruthers@NightSky.Org. You can also come on out if you just want to enjoy the event. Bring your family and/or friends to the event.

The Outdoor Festival runs from 10:00am to 2:00pm, although the general public typically starts showing up as early as 9:15am.

The LCD Issue and AAC Membership

I do not intend this to be a "pitch" for or against the LCD proposal, but rather an explanation of the background and voting process for our general membership.

The first issue is that in past years, all expenditures of the AAC have come out of one budget, 95% financed by our annual dues. Any large expenses, like new focusers for the 20" or the rewiring of the Villa Rica site we did 3 years ago, put a major strain on the budget. We increased the speaker budget last year (from \$1500 to \$3000); and then faced an unexpected rise in printing costs for the Focal Point (copying costs tripled in one year). These 2 items alone use up over 60% of our annual dues.

All proceeds from the PSSG were put into a Dark Sky savings account to be used for the future acquisition of a dark site for the Club. Some Board members consider Woodruff our new Dark Site; others still want to continue the search for our own property. Any costs at Woodruff, such as the building or lenses

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for the 24", have come from this account; but we have not wanted to use this money to pay for non-Dark Sky related expenses (such as VR or educational supplies).

This year, Peter Macumber, the Treasurer and Chuck Painter decided to split the budget into an Operating Budget – annual expenses paid for by the dues; and a Capital Budget – expenses that are used over long periods (such as lenses, insulation, etc). Our Operating budget uses up all our income from dues, thus leaving no money to fund the Capital expenses. We were for the first time considering taking a percentage of the PSSG profits to use on Capital expenses; others felt that we should consider using a portion of the Dark Sky fund to pay for these items as we already have a Dark Site at Woodruff. Opinions on the Board are strongly divided on this issue and there are good points on both sides.

A Budget Committee was assigned to look at prioritizing our Capital expenses and, as we had not yet decided HOW to pay for them, it returned a very conservative report that eliminated most of the items in the budget. One of our Board members took umbrage at this and, before it was presented to the Board, presented a proposal to the General Membership at the April meeting that we use 50% of the Dark sky account to pay for the items in the Capital budget, including an LCD Projector and laptop. Much to everyone's surprise, including his, a motion was put forward and seconded to adopt his proposal and this motion was tabled so the Board could look into the issue.

"His action in circumventing the Board and going directly to the membership was disruptive of our usual process, but was legal according to our Bylaws (Article X; Section 1). At the next meeting, the Board voted to :

- 1) release last year's PSSG profits (Approx. \$7,000) to fund capital expenses
- 2) use 50% of future PSSG profits to fund the Capital expenses
- 3) not touch any other funds in the Dark Sky account (except for Dark Sky expenses)
- 4) purchase an LCD and laptop at a cost not to exceed \$5,000. This passed by a vote of 4 for; 2 against; 1 abstention.

A Committee has been formed to look into acquiring the LCD/LT that is both adequate to our needs and does not cost more than \$5,000. It will report at our May General Meeting.

This tabled motion is still alive. Unless it is withdrawn by the two people who first moved and seconded it, it must be presented to the General Membership for a vote. (However, it can be amended before it is voted on). So, at the May meeting after the elections, the LCD Committee will present their report, we will ask to have the motion amended to reflect the Board's actions and put it to a vote of the General Membership.

Sharon Carruthers, President.

Note that material you see in the Focal Point has been sent to me is for use in our newsletter only. If anyone wants to use the material elsewhere, please contact the author of the article or photographer who has taken the picture. With rare exceptions, most people will grant you permission.

How Many Miles Per Tortilla Do You Get?

How are batteries, gasoline, and tortillas alike? They all store energy. Of course, the energy they store is used in very different ways by different things. Cell phones can't run on gasoline and people can't run on batteries! But, even so, the energy stored in these different ways is really the same stuff!

We could compare the amount of energy stored in different kinds of fuel, and see, for example, how much gasoline it would take to operate a person (we don't recommend trying this!) or how many tortillas it would take to operate an automobile (we don't advise this either!).

Speaking of tortillas, when we start figuring up how much energy different kinds of substances can store, we find that food is very efficient. For fun, we could compare how many tortillas it would take to operate an automobile, a space shuttle, a very small and advanced robotic spacecraft, and you.

You are already familiar with automobiles and space shuttles. The spacecraft we will compare these with is called Space Technology 5. Three of these tiny craft will be launched into Earth orbit to test out their advanced, miniaturized, energy-efficient technologies.

So, how many tortillas would it take to operate each of these energy-users for one day? Space Technology 5—4.4 tortillas; human—14-20 tortillas; space shuttle—2,904 tortillas; automobile—12,192 tortillas! Now you know why cars are called tortilla guzzlers . . . er, gas guzzlers!

Learn more about how energy is stored and enter a Space Place contest. All you have to do is design your own spacecraft using tortillas or create an original recipe using tortillas. To enter the contest, go to spaceplace.nasa.gov/st5/st5_tortillas1.htm.

This article, written by Diane Fisher and Eric Elkins, was provided by the Jet Propulsion Laboratory, California Institute of Technology in Pasadena, CA, under a contract with the National Aeronautics and Space Administration's New Millennium Program.

Caption: Space Technology 5 will fly three birthday-cake-sized spacecraft to test advanced, miniaturized, energy-efficient technologies in space.

Chris Butler's Website

Chris Butler has appeared at the last two Astronomy Expos. Both times, his talks were excellent. Humor and lots of science facts thrown in. Art and education brought together. Visit his website at www.sciencecenter.net/butlerart.

Statement of John Lentini, Candidate for Re-election to the AAC Board of Directors

I regret that I will be unable to attend the Club meeting when the election will be held. As a candidate for Board of Directors, I feel that I should be there, but I have a scheduling conflict. That night, I will be attending a Boy Scout function where I will be given an award recognizing my work in bringing the Scouts and The Atlanta Astronomy Club together, and in bringing astronomical observatories to both the Woodruff and the Bert Adams Scout Camps.

I hope my absence will not deter you from voting for me for the Board position. If elected, I will continue to bring to the Board the leadership that seems to have benefited the Club so far. My philosophy in all of the volunteer organizations in which I participate is "Lead, follow, or get out of the way!"

If you like the fact that you now have an actual dark site from which to observe, as opposed to a monthly report from the Dark Site Committee, vote for me. If you prefer inaction, and endless committee reports, vote for someone else.

I believe that our Club has several worthwhile missions, and I think that all of them should be supported. I believe that the Board has an obligation to support all of the Club's goals, and that its job is to make and implement thoughtful decisions. If elected, I will continue to move the Board in that direction. Nothing worthwhile happens until somebody makes it happen.

Thank you for your consideration.

Astronomical League

Because of my busy schedule, I have not been promoting the Astronomical League like I should. So here is some info for you. One of the perks of being a member of the Atlanta Astronomy Club is the fact that you are also a member of the Astronomical League automatically. The Astronomical League is a national organization which include hundreds of astronomy clubs. They offer many benefits to the membership. One of those is the famous Observing programs. Currently there are 21 such programs. Basically you observe a list of objects and keep records of your observations. In return you get a pin and certificate for your effort. For more information, contact me at Keith_B@bellsouth.net. You can also look at this stuff at the website at www.astroleague.org.

Amatuer Telescope Makers Group

Interested in building your own telescope? Want to enhance your current scope with some features or fix problems with it? Do you want to grind your own mirror or learn how it is done? This is the group for you. The ATM group meets every couple of weeks at Skip Cook's house. He has generously offer this location for this purpose. Contact him via phone (404-325-4987) or email (scz9@cdc.gov) for more information and directions. Tracy Wilson runs the group and has much expertise to offer. You can contact him via email (tracy@c2optical.com). Announcements of meetings will be posted on the AAC listserv. You can also find out about upcoming meetings from Skip.

The ATMer's are looking for a place to hold meetings and work on projects. If you know of a location or have one to offer, please contact either Skip, Tracy, or Sharon Carruthers.

It's amazing what hard work, determination, shared knowledge, and a little money can do to make these wonderful instruments.

AAC Contacts

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The Focal Point

Newsletter of The Atlanta Astronomy Club, Inc.

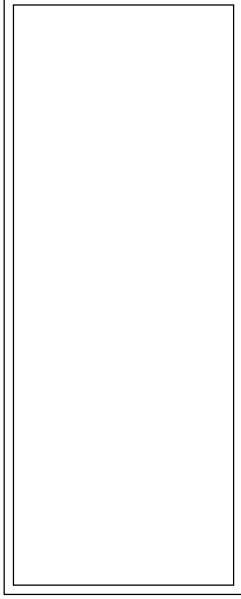
FROM:

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[We're here to help! Here's how to reach us:](#)

Atlanta Astronomy Club
PMB 305
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FIRST CLASS



Calendar

May 17th- General Membership Meeting. Speaker Walter Breyer. His topic is Old Telescopes. Don't forget the election of 2002-2003 officers. Meeting starts at 8PM. Emory University at White Hall.

May 18th- Open House and Training at the Walter Barber Jr Observatory north of Villa Rica. Starts at 7PM.

May 18th- Open House at CEWMA. Runs from 10AM to 2PM.

May 19th- Elliot Chapter Meeting and Picnic at CEWC visitors center. Starts at 4PM.

May 24th-27th- GASP Monte Santo State Park near Huntsville, Alabama. Sidewalk astronomy with the AAC and VBAS folks.

June 21st- AAC Banquet. Location is Dave and Busters, Gwinnett. Speaker is Dr Sten Oldenwald. Starts at 7PM. Preregister only. Cost \$22 for dinner.

June 15th- Open House at Walter Barber Jr Observatory north of Villa Rica.

June 15th-GASP at Tallulah Gorge. Talk, sidewalk astronomy, and camping.