



The Observer

A Publication of The Cuyahoga Astronomical Association
 PO Box 868, North Olmsted, OH 44070

CAA Homepage: <http://www.cuyastro.org>

CAA Officers

President:
 Vice President:
 Treasurer:
 Secretary:
 Member At Large:
 Member At Large:
 Member At Large:
 Observatory Director:
 Editor, The Observer:
 CAA Webmaster:

Name

Jim Cofer
 Ron Devine
 Ted Sauppé
 Steve Spears
 Bruce Lane
 Sam Mortaro
 Bill Murmann
 Erik Hall
 Jeff Lewis
 Jim Guilford

Phone

440-356-2508
 440-748-1739
 440-930-5228
 440-892-1995
 440-835-0649
 440-845-9347
 440-572-0464
 440-884-1688
 440-734-2879
 440-877-0372

E-mail Address

jscofer@earthlink.net
dbd8880@oh.rr.com
tsauppe@oh.rr.com
spears5444@sbcglobal.net
brucelane@oh.rr.com

murmann@sbcglobal.net
erikomet@sbcglobal.net
bruisse@roadrunner.com
jrguilford@earthlink.net

2008 CAA Calendar - Summary

3/10/08 Mon 7:30 p.m.	CAA General Membership Meeting – RRNC
3/24/08 Mon 7:30 p.m.	CAA Board Meeting – Starbucks
4/14/08 Mon 7:30 p.m.	CAA General Membership Meeting – RRNC
4/28/08 Mon 7:30 p.m.	CAA Board Meeting – Starbucks
5/10/08 Sat 8:00 p.m.	CAA Observatory Open House – Letha House
5/10/08 Sat TBD	Astronomy Day – LENS
5/12/08 Mon 7:30 p.m.	CAA General Membership Meeting – RRNC
5/17/08 Sat 5/18/08 Sun Daytime	NASA Glenn Open House – Booth and Solar Telescope Viewing
5/19/08 Mon 7:30 p.m.	CAA Board Meeting – Starbucks
5/31/08 Sat 6:00 p.m.	MVAS OTAA Scenic Vista Stargaze – Scenic Vista Park, Lisbon, OH
6/9/08 Mon 7:30 p.m.	CAA General Membership Meeting – RRNC
6/14/08 Sat 8:00 p.m.	CAA Observatory Open House – Letha House
6/23/08 Mon 7:30 p.m.	CAA Board Meeting – Starbucks
6/28/08 Sat 6:00 p.m.	CVAS OTAA Convention – Indian Hill Observatory
7/12/08 Sat 8:00 p.m.	CAA Observatory Open House – Letha House
7/14/08 Mon 7:30 p.m.	CAA General Membership Meeting – RRNC
7/26/08 Sat	CAA OTAA Convention – Letha House
7/28/08 Mon 7:30 p.m.	CAA Board Meeting – Starbucks
8/2/08 Sat 5 p.m.	MVAS OTAA Convention – MVCO

8/9/08 Sat 8:00 p.m.	CAA Observatory Open House – Letha House
8/11/08 Mon 7:30 p.m.	CAA General Membership Meeting – RRNC
8/25/08 Mon 7:30 p.m.	CAA Board Meeting – Starbucks
9/6/08 Sat 4:30 p.m.	BRAS OTAA Convention – Birmingham
9/8/08 Mon 7:30 p.m.	CAA General Membership Meeting – RRNC
9/20/08 Sat Day and Night	NASA Glenn – Solar Telescope and Nighttime Telescope Viewing (no booth)
9/22/08 Mon 7:30 p.m.	CAA Board Meeting – Starbucks
10/13/08 Mon 7:30 p.m.	CAA General Membership Meeting – RRNC
10/27/08 Mon 7:30 p.m.	CAA Board Meeting – Starbucks
11/10/08 Mon 7:30 p.m.	CAA General Membership Meeting – RRNC
11/15/08 Sat 8:00 p.m.	CAA Presentation “Jupiter the King of the Planets” and Star Party – Wolf Creek Environmental Center
11/24/08 Mon 7:30 p.m.	CAA Board Meeting – Starbucks
12/8/08 Mon	CAA Christmas Party
	No Board Meeting in December

2008 CAA Calendar - Detail

Monday, March 10

CAA General Membership Meeting at 7:30 p.m. in the Cleveland Metroparks Rocky River Nature Center. CAA member Bill Murmann will

be our speaker this month. Bill will be giving a talk about the Moon.

Monday, March 24

CAA Board Meeting at 7:30 p.m. at Starbucks Coffee Co. Starbucks is located at 24950 Lorain Road, just west of Columbia Road in North Olmsted.

Monday, April 14

CAA General Membership Meeting at 7:30 p.m. in the Cleveland Metroparks Rocky River Nature Center. Program to be announced.

Monday, April 28

CAA Board Meeting at 7:30 p.m. at Starbucks Coffee Co. Starbucks is located at 24950 Lorain Road, just west of Columbia Road in North Olmsted.

Saturday, May 10

CAA Observatory Open House at Letha House park from 8:00 p.m. to 11:00 p.m. There is no talk or presentation for this event.

CAA members that are planning on attending this event please let Erik Hall, CAA Observatory Director know before hand or call the Medina County Park District offices directly at 330-722-9364 to register.

Saturday, May 10

Astronomy Day at the Lake Erie Nature and Science Center, Bay Village, OH: We are starting to ask for volunteers and ideas for talks and presentations. There will be an evening star party with this event.

Monday, May 12

CAA General Membership Meeting at 7:30 p.m. in the Cleveland Metroparks Rocky River Nature Center. Program to be announced.

Saturday & Sunday, May 17 & 18

NASA Glenn Open House: Booth and Solar Telescope Viewing – Daytime only. This event has a large attendance so we are hoping that CAA will have the opportunity to introduce our organization and possibly bring in a few new members. The board has already ordered new brochures to pass out at this event.

Monday, May 19

CAA Board Meeting at 7:30 p.m. at Starbucks Coffee Co. Starbucks is located at 24950 Lorain Road, just west of Columbia Road in North Olmsted.

Saturday, May 31

MVAS OTAA Scenic Vista Stargaze starting at 6 p.m. at Scenic Vista Park, Lisbon, Ohio.

Saturday, June 14

CAA Observatory Open House at Letha House park from 8:00 p.m. to 11:00 p.m. There is no talk or presentation for this event.

CAA members that are planning on attending this event please let Erik Hall, CAA Observatory Director know before hand or call the Medina County Park District offices directly at 330-722-9364 to register.

Saturday, July 12

CAA Observatory Open House at Letha House park from 8:00 p.m. to 11:00 p.m. There is no talk or presentation for this event.

CAA members that are planning on attending this event please let Erik Hall, CAA Observatory Director know before hand or call the Medina County

Park District offices directly at 330-722-9364 to register.

Saturday, August 9

CAA Observatory Open House at Letha House park from 8:00 p.m. to 11:00 p.m. There is no talk or presentation for this event.

CAA members that are planning on attending this event please let Erik Hall, CAA Observatory Director know before hand or call the Medina County Park District offices directly at 330-722-9364 to register.

Saturday, September 20

NASA Glenn: Solar Telescope and Nighttime Telescope Viewing (no plans for a booth at this event)

Saturday, November 15

CAA presentation and star party at 8:00 p.m. at Wolf Creek Environmental Center. CAA member Bob Wiersma will be our speaker for this event. Bob will present “Jupiter the King of the Planets.” The presentation will be put on rain or shine. Weather permitting please bring your telescopes for the public star party that will follow the presentation.

CAA members that are planning on attending this event please let Erik Hall, CAA Observatory Director, know before hand or call the Medina County Park District office directly at 330-722-9364 to register.

Sky Events for March 2008

Moon Phase Calendar for March, 2008

Sun	Mon	Tue	Wed	Thur	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Friday, March 14

The Moon passes 1.7° north of Mars, 11 p.m. EDT.

Wednesday, March 19

The Moon passes 0.8° south of Regulus, 4 a.m. EDT.

The Moon passes 3° south of Saturn, 11 a.m. EDT.

Sunday, March 23

Mercury passes 1° south of Venus, 6 a.m. EDT.

Thursday, March 27

The Moon passes 0.5° south of Antares, 6 a.m. EDT.

Sunday, March 30

The Moon passes 3° south of Jupiter, 1 p.m. EDT.

Sky Events for April 2008

Moon Phase Calendar for April, 2008

Sun	Mon	Tue	Wed	Thur	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Wednesday, April 2

The Moon passes 0.002° north of Neptune, 5 a.m. EDT.

Friday, April 4

The Moon passes 3° north of Uranus, 6 a.m. EDT.

The Moon passes 5° north of Venus, 9 p.m. EDT.

Saturday, April 12

The Moon passes 1.2° north of Mars, 2 a.m. EDT.

Club News / Stories

**Treasurer's Report
February 2008**

Beginning Petty Cash	\$51.76
Beginning Bank Balance	\$5,398.15
Starting Assets	\$183.45
Total Beginning Assets	\$5,633.36
Income	
Dues Membership	\$15.00
Coffee Donations	\$12.07
Bank Interest	\$3.72
Total Income	\$30.79
Expenses	
CAA Web Site	\$20.95
Annual Insurance	\$601.00
Refreshments	\$13.98
Total Expenses	\$635.93
Total Income - Expenses	(\$605.14)

Ending Petty Cash	\$97.80
Ending Bank Balance	\$4,746.97
Ending Assets	\$183.45
Total Ending Assets	\$5,028.22

Ted Sauppé, CAA Treasurer

Secretary's Report February 2008

General Membership Meeting Minutes

2/11/08 7:30 p.m. at RRNC

Jim Cofer called the meeting to order at 7:35pm.

Treasurer's Report: No corrections or additions.

Secretary's Report: No corrections or additions.

Old Business:

- Permits for Cuyahoga and Medina counties are now available.
- Explorer Series, Natural History Museum- George Collins speaking on global warming, 2/15/08, 7:30 pm.
- CAA members- bring telescopes on the 1st and 3rd Saturday's of every month, LESNC.
- Astronomy Day at the Lake Erie Science and Nature Center, Saturday, May 10th. Volunteers for talks and telescopes are needed.

New Business:

- Baldwin-Wallace Stosacker Lecture Series- Lawrence Krauss speaking on "Einstein's Greatest Blunder", 2/20/08, 7:30 pm.
- Viewing of the "Total Lunar Eclipse" LESNC. 2/20/08
- David Baumann's mirror grinding supplies available to anyone interested.

Observations:

- Mike Williams: Looked for Comet Holmes with binoculars, could not locate.
- Bill Murmann: looked at full moon for libration areas and craters; was at Wolf Creek and viewed Mars and Saturn. Also viewed Sun spots- the start of 11 year cycle.
- Ray Paul: Arizona viewed Comet Holmes, was barely visible. Also saw M78, flame Nebula.
- Al Panzer has an extra collimation tool for anyone one who needs it.

The night's speaker is Lynn Paul.

Submitted by:
Steve Spears – Secretary, CAA

Board Meeting Minutes

2/25/08 7:30 p.m. at Starbucks

Board members in attendance: Steve Spears, Sam Mortaro, Ron Devine, Ted Sauppe, Bruce Lane, and Jim Cofer.

Ron Devine called the meeting to order at 7:35 pm.

Treasurer's Report: Insurance: \$601.00. Dark Skies donation: \$50.00.

Old Business:

- Sharon Biggins from the Society of Handicap Persons called to give the following dates for a possible telescope viewing night: July 8th or 9th; August 7th.
- Speakers are still needed for the CAA convention. If anyone has a possible candidate, please see Ron Devine.
- Ron has been trying to contact Heather Morrison, but without success.
- It was suggested that a committee be formed to handle the details of the Convention.

New Business:

- Bill Murmann suggested that volunteers should make specific commitments to bring telescopes to the club's public star parties. This will help ensure enough instruments to handle the viewing part of the program.
- The CAA club brochures will be placed in selected county libraries.

Submitted by:
Steve Spears – Secretary, CAA

CAA Loaner Telescopes

Club-Owned Telescope Availability		
Telescope Description, including mount, eye pieces, etc.		
Member Loaned To	Loan Date	Due Date
6" f/8 German equatorial reflector with eye-pieces		
Available		
6" blue tube Dobsonian reflector with 30mm and 20mm Series 500 Plossl eyepieces		
Not Available	-	

Erik Hall needs to install a new focuser on this scope.		
---	--	--

2008 CAA Membership List

I was sick last month, so I will provide updated membership lists at the March general meeting.

Jeff Lewis
Editor, *The Observer*

Get Well Wishes For Paul Leopold

On Sunday February 24th Paul Leopold slipped and fell tearing ligaments in his right knee. Paul successfully underwent knee surgery on February 26th. Paul is at home recuperating. It will take Paul about six months to get back to normal again. His doctor expects him to make a full recovery. We wish Paul a fast recovery so we can again have the honor to look through his 20 inch telescope!

Erik Hall

Looking Up by Charles H. Grace

Easter

"In your Easter bonnet, With all the frills upon it

You'll be the grandest lady, In the Easter parade..."

It's that time of year again. Special church services, Easter baskets, Easter egg hunts, live chicks, chocolate bunnies, and big commercial business. "Honey, I want a new dress for Easter." "You already have two dresses." "Something pastel--a hat would be nice too."

We all remember the story that the Bible tells us. Jesus rode into Jerusalem with his disciples on what is now called Palm Sunday. On Maundy Thursday they had the Last Supper. Judas betrayed Jesus and Pontius Pilate had Jesus crucified on the day we now commemorate as Good Friday. On Easter Sunday He arose from his tomb and briefly rejoined His disciples, then ascended to heaven.

The churches determine the dates for Easter Sundays; the ecclesiastical Easter date for each year is laid out on a list. It is the Sunday following the

Easter ecclesiastical full moon date for the year. That full moon date is always the first ecclesiastical full moon after the vernal equinox. Seventeen centuries ago March 20 was the equinox date. Ecclesiastical full moon dates, which are pre-defined, are only approximate, and not always the same dates as the actual astronomical full moon of modern times. Considering they were forecast about 326 AD they are pretty accurate, but they may differ by as much as two days.

Later, the ecclesiastical rules decreed that the vernal equinox is always on March 21, and that date is now used to compute the Easter date. The actual astronomical vernal equinox, which isn't used to compute the Easter date, varies slightly from year to year on the modern secular calendar.

In 1582 Pope Gregory XIII of the Roman Catholic Church changed from the Julian to the Gregorian calendar, and that affected the dates of Easter Sundays. The Gregorian calendar, which introduced leap years, is very good, and was adopted throughout Western Europe gradually over the next few centuries. Some Eastern Christian churches still determine Easter dates by the Julian calendar, so the dates are different in different religions. Other people believe that Easter is based on the Hebrew Passover, and respectfully state that it commemorates the perfect Passover sacrifice.

A popular simplified version of the rule for the date of Easter in the USA is the first Sunday following the first full moon after the vernal equinox. Usually this simplified version yields the same date as the official church-set date. Around the world, Easter in each time zone starts when the designated day starts for that time zone.

The Easter Sunday of the western religions can occur any time from March 22 to April 25 inclusive. About half of Easter Sundays occur on the same date 11 years later. (Trivia: The days on which Easter occurs repeat with a period of 1,900,000 years.)

In 2008 Easter is coming early because March 21st is followed the next day (Saturday), by an ecclesiasti-

cal full moon. Sunday March 23 is Easter Sunday. Holy Week starts on Palm Sunday, March 16. St. Patrick's Day, March 17, falls in Holy Week in 2008. In 2009 Easter Sunday will be on April 12.

....Because it commemorates the resurrection, Easter is a time of rejoicing.

"...Oh, I could write a sonnet, About your Easter bonnet

And of the girl I'm taking, To the Easter parade."

References:

- The Date of Easter. <http://aa.usno.navy.mil/faq/docs/aster.php>
- Dates of Ash Wednesday and Easter Sunday. navy, loc. cit.
- Easter Dating. <http://users.sa.chariot.net.au/~gmarts/easter.htm>
- Easter. <http://en.wikipedia.org/wiki/easter>
- Frequency of the Date of Easter. <http://www.smart.net/~mmontes/fr eq3/html>
- Easter. Eric Weisstein's World of Astronomy. <http://scienceworld.wolfram.com>

Swap Corner

For Sale: I have a Byers 812 mount that my Father-in-law has asked me to sell. He is a retired neurosurgeon and can no longer use this. I Googled Byers 812 and your CAA site came up. If you would like to pass along my name and number below to any interested parties, feel free. I am not familiar with this type of equipment and can't use it, but can tell that this is a very well made piece of equipment. I have all of the manuals and correspondence between my Father-in-law and Ed Byers from the early 80's. I have quite a bit of his other equipment as well if anyone is interested. Please contact Mike Agee if you are interested.

Mike Agee

Vice President of Sales & Marketing
Baker Manufacturing Co., Inc.

Pineville, LA

888-512-7036 – Office

318-730-2765 – Mobile

318-443-7856 – Fax

www.bakermanufacturing.com

Upcoming Astronomical Events

OTAA Events

Saturday, May 31, 2008: MVAS will conduct another OTAA Scenic Vista Stargaze at Scenic Vista Park, near Lisbon, OH. This is the MVAS dark sky site. All OTAA clubs are invited to observe with us that night. Camping is OK.

Saturday, June 28, 2008: Chagrin Valley Astronomical Society OTAA convention at Indian Hill Observatory.

Saturday, July 26, 2008: Cuyahoga Astronomical Association OTAA convention at the CAA Observatory at Letha House.

Saturday, August 2, 2008: Mahoning Valley Astronomical Society OTAA convention at MVCO in Braceville, OH. Registration opens at 5 pm.

Saturday, September 6, 2008: Black River Astronomical Society OTAA convention at Birmingham Methodist Church Hall, Birmingham, Ohio.

Schuele Planetarium Star Parties

On the 1st and 3rd Saturdays of every month (year round) there are Schuele Planetarium star parties starting at 8:15 p.m. following the 7 p.m. Planetarium shows (weather permitting). CAA members are welcome to bring their scopes to help out at the star parties in the field across the street from the Schuele Planetarium. Any CAA members who could help out would be greatly appreciated by Jay Reynolds and the Lake Erie Nature and Science Center. All programs include the most recent news from our explorations of Mars, Saturn & Hubble Space Telescope.

Frontiers of Astronomy Lecture Series at the Cleveland Museum of Natural History



Black Holes: Their Birth and Violent Interactions

- Thursday, March 20, 2008, 8 p.m.
- Dr. Pablo Laguna, Pennsylvania State University

Einstein's theory of general relativity describes gravity using an elegant but complicated set of equations. Simply put, General Relativity is a description in which the effects of gravity acting on an object are viewed as a journey through the valleys and canyons of space-time. Black holes are solutions to Einstein's equations. They have captured the interest of scientists, the public of all ages and backgrounds, and are the subject of movies, television and books. Studying black holes is no longer an academic exercise. Astronomers have found indirect evidence of their existence from observations of the motion of and light from matter captured by these objects. However, a direct detection has evaded us so far. The ultimate proof would be observing distortions in the fabric of space-time from the dance of two black holes orbiting each other. Such a detection is a formidable undertaking, requiring innovative engineering, powerful data analysis tools and careful computational modeling. Dr. Pablo Laguna presents an overview of the current understanding of how black holes form and the effort to simulate, with the most powerful supercomputers available, what happens when they violently collide.

More about Dr. Laguna: Laguna conducts research in numerical relativity, the computational study of Einstein equations using supercomputer technology. He studies cosmological and astrophysical systems where the effects of general relativity play a fundamental role. He currently is focusing on numerical simulation of the coalescence of two black holes. "The collision of black holes is a central problem in general relativity that exposes the complex, non-linear nature of Einstein's field equations," Laguna explains. "An accurate and complete solution of this problem will bring general relativity into harmony with the observations of gravitational radiation that are expected to take place in the near future."

Laguna received his bachelor's degree in physics from the Metropolitan University of Iztapalapa, Mexico, in 1981 and his doctoral degree in physics from the University of Texas at Austin in 1987. He was a postdoctoral fellow at the University of Texas at Austin from 1987 to 1989, and a visiting assistant professor at Drexel University from 1989 to 1990. He was a postdoctoral fellow at the Los Alamos National Laboratory from 1990 to 1992, where he also served as a consultant from 1992 to 2001. In 1992, he joined the faculty of the Department of Astronomy & Astrophysics at Penn State as assistant professor. He was promoted to associate professor in 1998 and to professor in 2000, and was named associate director of both the Center for Gravitational Wave Physics and the Institute for Gravitational Physics and Geometry in 2001.

Frontiers of Astronomy is a free lecture series that offers those with an interest in astronomy the chance to learn about some of the latest research in the field. Presentations are given in the Museum's Murch Auditorium. On clear evenings, the Ralph Mueller Observatory will be open afterward. Frontiers of Astronomy is sponsored by the Department of Astronomy at Case Western Reserve University through the support of the Arthur S. Holden, Sr. Endowment; The Cleveland Museum of Natural History; and The Cleveland Astronomical Society.

No tickets or reservations are required.

Burrell Observatory Open House At Baldwin Wallace College

The Burrell Observatory is proud to present an open house program on Monday March 17, 2008 at 7:30PM. Jay Reynolds will present a lecture on current space missions to study comets and asteroids, and the role students at Cleveland State University play in tracking these objects in support of NASA's DAWN Mission.

Jay Reynolds serves Cleveland State University as a research astronomer, studying asteroids in our solar system. Recently, his team presented at NASA's Kennedy Space Center in Florida, where they shared some of their results of modified techniques in asteroid photography, with the Dawn Mission Science Team. He also is the Director of the Walter R. Schuele Planetarium, part of the Lake Erie Nature & Science Center in Bay Village.

He also serves a NASA/JPL Solar System Ambassador and is a member of the NASA Glenn Research Speakers Bureau where he presents over forty public presentations per year, discussing Mars Rovers, Cassini and DAWN Missions to the public.

After the lecture the Burrell Observatory will be open for viewing of the Moon, weather permitting.

This is a free lecture and no reservations are required. McKelvey Auditorium is located through Wilker Hall, which is located on the East Side of Front Street north of Bagley Road at 320 Front St. in Berea, Ohio. For questions contact the observatory director at gkader@bw.edu or 440-826-2493.

Shafran Planetarium Programs at the Cleveland Museum of Natural History



March – April 2008 Massive Monsters!

In a star's struggle between gravity and radiation, gravity wins and we get a black hole. But is it just that easy? Find out if there is a big black hole quietly lurking nearby, or if your pet Chihuahua really has something to fear.

- Mon – Fri , 2:30 pm
- Wed, 8 pm
- Sat, 10:30 am, 12:30 pm, 2 pm, 4 pm
- Sun, 12:30 pm, 2 pm, 4 pm

Children's Program Are Black Holes Really Black?

If we can't see them in outer space, how do we know black holes are black? And do they really suck everything in and not let anything out? Learn how astronomers find black holes, what we think they are and how they behave—or don't behave.

- Sat 11:30 am, 3 pm
- Sun 1:15 pm, 3 pm

Tickets are \$4 per person with Museum admission; members are free. Please reserve tickets in advance. To guarantee seating, please arrive 20 minutes before show time to claim your tickets with your confirmation number. Unclaimed tickets will be released for purchase on a first-come, first-served basis 10 minutes before show time.

Mueller Observatory Programs at the Cleveland Museum of Natural History



March – April 2008

After a long absence, Saturn makes a grand entrance into the early evening sky. The silvery rings will be viewed edge-on next year—watch them gradually narrow into thin ribbons this spring.

- Wednesdays, 8:30 pm to 10 pm, weather permitting

Free with Museum admission. The Museum's Ralph Mueller Observatory houses a 105-year-old, 10 ½-inch Warner & Swasey telescope. The observatory is open to the public on clear Wednesday evenings from September through the end of May from 8:30 to 11 pm. Please arrive before 10 pm and dress for the weather.

NASA Glenn Visitor Center 2008 Third Saturday Events



Saturday, March 15, 2008
Space Communications

Learn how NASA utilizes the latest technology to communicate with robotic missions throughout the solar system and to future human expeditions to the moon.

All dates and topics are subject to revisions. Go to glennevents.grc.nasa.gov for more information.

Other News / Stories

A Note From the Desk of the Editor

I am always looking for articles for *The Observer*. If there are any aspiring authors out there who want to contribute an article, share a story or observation, etc. please do so, and I will include it in the next issue. Also, if you have any items for sale, or if you are looking for any items, send these in and I will include them in the *Swap Corner*. Remember, this is your newsletter, and participation from the general membership can only make the newsletter better. Thanks to all who have taken the time to send in articles. Please send articles, items for sale, items wanted, suggestions, and/or comments to bruise@roadrunner.com.

Jeff Lewis

Editor, *The Observer* – CAA