

The Bulletin – The monthly publication of the Indiana Astronomical Society

October, 2009  
Volume 76, Issue 10  
www.iasindy.org



# The Bulletin

*2009 International Year of Astronomy  
It is Hog Roast time again for the IAS  
October 10 at 5:00 PM*

**Please Note the Hog Roast is at 5:00 PM**

*There is no meeting after the hog roast. We will have observing weather permitting*

The Society will furnish drinks (coffee, soft drinks and bottled water), buns, chips, eating utensils, plates, napkins, condiments etc.

**Members whose last names begin with A through J are asked to bring a covered dish OR salad**

**Members whose last names begin with K through Z are asked bring a dessert?**

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## IAS Calendar of Events for October

October 10 – Hog Roast  
October 13– Board Meeting

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## New Astronomers Group Meeting McCloud Nature Park

We have completed the NAG events for the year. This has been an outstanding event for the IAS each month and is our major public outreach. We express our sincere appreciation for the Thanks John and Vickie Switzers and the job they have done. NAG will begin again next year in May. We are still in need of a coordinator for the event for 2010.

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## **Astronomy Symposium at IU on Oct. 10, 2009**

"The Stone Age Institute and Indiana University Present: "ORIGINS: The Evolution of the Universe, the Earth, Life, and the Human Species". Featuring IU faculty from physics, astronomy, geology, biology, paleontology, and anthropology in cutting-edge origins research 9:00am - 4:00pm (with a mid-day break) in Whittenberger Auditorium in the Indiana University Memorial Union

For more information email [info@stoneageinstitute.org](mailto:info@stoneageinstitute.org)

Public Lecture on Nov. 11, 2009

"Footprints in the Stars"

Professor George Lankford

Professor Emeritus of Social Science at Lyon College

Rawles Hall 100, 7:30 PM

The Big Dipper, Orion, Scorpio, and the Pleiades, familiar constellations of western culture, also figure prominently in the sky lore of the prehistoric peoples of the Americas, reflecting their own ancient, naked-eye astronomy. Their stories of the night sky held the traditions and wisdom linking past and future generations, and the stars represented not the distant gods and goddesses, but a living, passable trail between the earth and the inhabited sky. The varied narratives associated with the familiar asterisms, however, provide clues to the interactions and migrations of different cultures among these early Americans. The prehistoric art and astronomical stories of prehistoric North America likewise provide a path for today's researchers to reconstruct how American Indian peoples understood the universe.

Dr. George Lankford, Professor Emeritus of Social Science at Lyon College, will share his study of the star knowledge among the American Indian peoples of Eastern North America, with illustrations from prehistoric art and the night sky. Professor Lankford is the author of many works, including *Reachable Stars: Patterns in the Ethnoastronomy of Eastern North America* (University of Alabama Press, 2007) and *Looking for Lost Lore: Studies in Folklore, Ethnology and Iconography* (University of Alabama Press, 2008). He is also an Indiana University alumnus, having earned his Ph.D. in folklore in 1975.

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## **Hilltop Event at the Link – Hams Practice at the Link**

The Link was used as a radio site allowing amateur operators to practice their skills and techniques in preparation for emergencies here in Indiana. Note from Ed Condor: Thanks for the time and use of the Link Observatory Hilltop on Tanager Hill. We could not have been in a better place for the practice of emergency communications testing. All the reports as of this morning said we had a good signal on the air! Bob, Dave, and I thank you for your time and trouble again.

More pic's will be on the Indianapolis Radio Club web site [www.indyradioclub.org](http://www.indyradioclub.org) on the Hilltop listing. What a great site the Tanager Hill is !

## **NAG at McCloud**

We are still in need of a coordinator who would oversee the NAG activities at McCloud for 2010. This program has been a great asset for the Society since its inception by Mike Wolford and later by the Switzers. We have gained several new members from the activity. We have also made this into a major outreach program for the Society in which we educate the public about the sky and astronomy. The responsibility of the position is to determine the dates for the six events scheduled from May through September and to provide the program. John Switzer has developed a format for the programs which works very well. The new coordinator could use that format or could come up with new programs. We need someone who loves to meet new people and bring the hobby to the novice. There are several of us who would help as well. If you have interest in this position contact me Jeff Patterson at [KB9SRB@Comcast.net](mailto:KB9SRB@Comcast.net) or 317 506-0325.

The Pres

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## **Recent Star Parties**

### **Prairie Skies Star Party**

Once again another nice event not too far away. Chris Deitz, John Molt, Terry Steadham and friend George Sears attended Prairie Skies at Camp Shaw-Waw-Nas-See on the historic Rock River near Kankakee, IL. Once the site for Astro-Fest, the youth campground offers scenic trails and water activities in a very peaceful setting. Over 200 people registered for the growing event September 17 through the 20<sup>th</sup> and quite a few more came in as 'walk-ons'. In their 7<sup>th</sup> year, the staff of Prairie Skies has honed the event with all-night movies, astrophoto and telescope/gadget contests and meal catering. I heard the midnight chili was great Friday (my nap went a little long) There were speakers each day with a wide range of topics, not too many though so there was plenty of time to visit. Few vendors made it this year but as always swap meet items were sprinkled throughout the observing field. Observing is pretty good for being somewhat close to a small town, darker than sites we use near Indianapolis. The weather was great every day, by Sunday early morning clouds started rolling in so we didn't have to pack up in blazing sun. Next year, if you have an opportunity, it's an event worth considering.  
*John Molt*

### **Okie-Tex Star Party**

Bill and I decided to try a new party this year. For years I had heard that Okie-Tex had darker skies than TSP, so we took the trek to Kenton, OK for a week long observing session. The weather forecast was not good but we thought it would be a good experience. It is right at 1000 miles to the absolute north west corner of the panhandle of Oklahoma. We got to the state park 5 miles from the party the night before you could get in. I learned that antelope season was in and we ran into two nice bucks on the way in. I have never gone to this party because I am hunting in Wyoming for antelope. HMMM> Thinking about another day.

Anyway we woke up to cloudy skies and set up at Camp Billy Joe. Soon John and Vickie Switzer were beside us.

Two previous members of the IAS Joe Goss (AZ) and Paul and Janice Routh (OK) arrived and we had a good get together. Later Steve Cotton (Mo) another old member showed up.

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It is an excellent party and very dark. They have a good vendor area and good meals if you like. Bill and I had to leave on Friday due to other commitments. The weather the first three days was marginal at best. We did get three nights of observing in. As usual, John Switzer told me that the weather became great and it was the darkest site he had ever seen.

Several of the big names in astronomy were there such as Dave Kreige of Obsession, Ruick Singmaster of Starmaster scopes. Mike Lockwood was there with a new 14.4 Dob that was a f2.55 scope. He is making the f3.3 scopes for Starmaster. We had excellent talks and had a lot of fun. I would recommend this in the future for anyone wanting a great site.

Jeff

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## UP Coming Star Parties For 2009

**Heart of America Star Party MO**      October 15-18, 2009 <http://www.hoasp.org/>

**Twin Lakes Star Party** – October 10-18, 2009

This is an excellent star party located in western Kentucky. One not to miss

**Nova Sedis Chiefland Fall Star Party** – November 9-15, 2009

This is a new star party located in Chiefland Astronomy Village, Florida. Nice time in the year to be in Florida.

### 2010 Star Parties

**Winter Star Party** – February 8-14, 2010- Registration is currently going on. Check [www.scas.org](http://www.scas.org) or call the registrar at 386-362-5995. This party is always sold out and you need to get a ticket early. This is a premium party and the weather is generally fantastic in the Florida Keyes in February.

**Smokey Mountain Stargaze 2009** - Just outside Smokey Mountain National Park - TBD. This is a new party. Should be pretty that time of year.  
<http://www.smokymtstargaze.com/index.php>

**Tennessee Spring Star Party 2009** - Fall Creek Falls State Park TBD  
<http://personal.bna.bellsouth.net/s/p/spsmith/default.htm>

**Mid-South Stargaze**    TBD

The Observatory is one mile southeast of the Natchez Trace Parkway at French Camp. French Camp is about half-way between Jackson and Tupelo, Mississippi, at Natchez Trace mile marker 181.    Mississippi    <http://www.rainwaterobservatory.org/stargaze/index.htm>

**Indiana Astronomy Day (IAS/PGO)** - TBD

<http://jmmahony.home.insightbb.com/pgo/schedule.html>

**Apollo Rendezvous** – Dayton, Ohio TBD

<http://mvas.org>

**Texas Star Party** West Texas May9-16, 2010. This is a premier party with very dark skies and a great site. Just a long way. Online registration will open November 15. [www.texasstarparty.org](http://www.texasstarparty.org)

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**Tennessee Spring Star Party** – TBD

**Cherry Springs Star Party** Cherry Springs State Park, PA TBD  
<http://www.astrohbg.org/s4>

**Nebraska Star Party – August 8th - 13th, 2010** - North Central Nebraska - This is a premier dark site and has fantastic observing. However, the weather is brutal. Temperatures can reach 105-110 degrees. However you can cool off in the shade of the tree. All activities will be at the Snake Creek Campground again this year. (I wonder why they call it Snake Creek). No activities will be at the resort. <http://www.nebraskastarparty.org/>

**JEPC Star Gazing Event** IL Date To be announced  
<http://www.mikewolford.com/IEPC%20Event.htm>

**Indiana Family Star Party** Camp Cullum, Frankfort, IN August 5-8, 2010  
<http://jmmahony.home.insightbb.com/pgo/starparty/>

**Black Forest Star Party** PA Date To be announced  
<http://www.bfsp.org/starparty/>

**Okie-Tex Star Party** – TBD This is reported as one of the darkest sites in the US. It is a great deep sky event.

If you know of events coming up let me know and I will get them in the Bulletin

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## ALCor Observations by Bill Conner

### The Universe Sampler Club

The *Universe Sampler* observing program is a unique observing program designed specifically for the beginning observer. It is designed to expose the beginner to a sample of the many different types of objects that the Universe has to offer for our observing enjoyment. It is designed to help the new observer learn his or her way around the sky and to teach some of the basics of astronomy. It offers an alternate naked-eye list of deep sky objects for those who are interested in astronomy but shy away because they do not have a telescope or binoculars.

The *Universe Sampler* will take you on an exciting journey through the heavens. You will meet many of the brightest stars, learn their names and the constellations in which they are found. You will visit our moon and some of the planets that share our solar system. You will greet at least one of the comets that leave the outer reaches of the solar system to visit the neighborhood of the sun. You will become acquainted with double stars, variable stars, star clusters, nebulae and galaxies.

One you have completed the *Universe Sampler* observing program, you should be well acquainted with the night sky and be able to find your way among the stars. You should be in a position to know what type of objects interest you most and be ready to continue your observing with one or more of the Astronomical League's other observing programs, e.g., the Messier List, the Double Star Program, the Lunar Programs, etc.

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The titles of the lessons are:

- Basic Sky Movement
- How to Find North in the Sky
- Star Charts and Constellation Patterns
- Angular Measures and Distance
- Stating the Location of Objects in the Sky
- Star-Hopping
- Eyepiece Field Orientation
- Recording Your Observations
- The Art of Seeing
- The Moon
- Variable Stars
- The Sun

The Astronomical League offers special recognition in the form of a Universe Sampler Club Certificate and pin for those that have completed either the "naked eye" or the "telescope" path. You may complete both programs and get two certificates. To obtain an award you must observe the following rules:

- Use of setting circles, computer driven telescopes (except for tracking purposes only) or any electronic device used to locate objects is NOT allowed. The purpose of the *Universe Sampler* program is to help the beginner learn his or her way around the sky. Use of the devices mentioned above would defeat the purpose of the program. Instead, use the star-hop method to locate objects. Refer to the lesson on star-hopping.
- You must complete Object List I as naked-eye observations. You must complete either Object List II as telescopic/binocular observations or Object List III as naked-eye observations.
- You must keep a log of your observations stating the object number or name, date/time and location, seeing conditions, size of instrument and magnification (or naked-eye observation) and your description of the object.
- You may copy the log sheets in the back of the Universe Sampler manual for your use.

Upon completion of the program, submit your log sheets to the AL Awards Coordinator or an officer for verification. The society will request your certificate and [award pin](#)

You may order the manual from [Astronomical League Sales](#) for \$10. The manual contains the Lessons, Object Lists and sample log sheets.

This is a great way to broaden your astronomical horizon.

### **The 2010 Astronomical Calendar: specially priced for League members**

The Astronomical League is pleased to announce a special offer for our members from the Universal Workshop, the producers of Guy Ottewell's popular Astronomical Calendar. They are making the 2010 edition of the Calendar available at a discounted price.

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There are plenty of good reasons why it has been published for over thirty years. The 2010 edition will not disappoint! Packed throughout the Astronomical Calendar's 84 pages are monthly sky charts; daily celestial highlights; charts, tables, and explanations of planetary movements; eclipse times and paths; and lunar occultation specifics. There are extensive descriptions of the year's meteor showers and periodic comets, as well. This calendar tells, in clear language, what events occur and when they happen.

League members can order this incredible compilation of the year's celestial events for \$19.95, shipping included. (It is normally priced at \$24.95 with another \$7 added for shipping.) Volume discounts (a minimum of 15 copies) for clubs are available. But, to take advantage of the free shipping offer, you must order by Friday October 31, and either use the special website, [www.Universalworkshop.com/clubs.htm](http://www.Universalworkshop.com/clubs.htm), or call 800-533-5083. The League's special low price of \$19.95 expires on December 31, 2009. Universalworkshop.com accepts Mastercard, Visa, Discover, American Express and PayPal.

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### **Link Activities for October:**

General Meeting October 10

### **McCloud Activities for October–**

None Scheduled –

Haley has left and we need to clarify the observing policy at McCloud

### **Observing Activities**

We are able to go to the Link, Prairie Grass Observatories, and McCloud Nature Park at non scheduled times if they do not conflict with reserved activities:

For those interested in going to The Link Observatories for observing call Gary Schoppenhorst 1 317 297-1405.

For those interested in going to McCloud to observe, please call the park naturalist, Haley Samuelson-Couchman, at the park office 765 676 5437 before 4PM on the day you want to go out. As an alternative you can e-mail Haley at [McCloudNP@HCParks.net](mailto:McCloudNP@HCParks.net). She will give you permission to be there at night and cut off the lights.

**Note: Haley has left the parks department and we need to clarify how to observe at McCloud at off hours. Right now there is no one to shut off the lights.**

For those interested in going to Prairie Grass Observatories for observing call Hoppe at 1-765-296-2753.

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### **Membership Status**

The following changes in membership took place in September:

Current Membership Total: 150

Renewals: 10

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New student members:

New Members:

**Inactive status:**

Ankeny, John - Brownsburg

Blake, Thomas - Greenwood

Devine, Charles - Indianapolis

Fishburn-Porter, Lenora - Indianapolis

Russell, Mark - Danville

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**IAS LIBRARY:**

The complete list can be found (<http://www.iasindy.org/memonly/iasfiles.php>, which is password protected). We have a new additions for the library. There is now a link on our website page for our new Multi-Media Library. Greg has built this library of a multitude of videos that are on the web. The only problem is that you will have to have high speed internet to observe these video streams. We think it will be a great addition to our library for both novices and experienced observers. Greg has many more sources to go through so the library will continue to grow. If you have comments or questions about the library please contact Greg McCauley at 317 663-3289 or [greg@ultrasoundconsulting.net](mailto:greg@ultrasoundconsulting.net) .

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**IU Kirkwood Observatory**

The Observatory has reopened for the summer. Please visit our schedule at [http://www.astro.indiana.edu/kirk\\_sch.shtml](http://www.astro.indiana.edu/kirk_sch.shtml), for a list of dates and times. For updated weather conditions and closings, please call the Kirkwood Observatory Hotline at (812) 855-7736.

The IU Astronomy Department has an electronic bulletin to let people know about local astronomy activities and events. If you would like to subscribe, send an email to [astdept@indiana.edu](mailto:astdept@indiana.edu) and we'll put you on the distribution list. Information about activities and events to be included in the e-bulletin should be sent to [catyp@astro.indiana.edu](mailto:catyp@astro.indiana.edu).

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**Easy Listening:**

Weekly pod casts are available at <http://www.astronomycast.com/> for those who love astronomy and want to learn, yet have no time (or desire) to do extra reading. They cover a variety of topics, and feature a different topic each week, so you can choose your flavor. The cast includes Fraser Cain, the publisher of Universe Today (<http://www.universetoday.com/>), and Dr. Pamela Gay, an assistant professor of physics at Southern Illinois University Edwardsville. You do not need an iPod or portable device to enjoy these.

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**Mentor Program**

We are reinstating the mentor program, which will provide the new member with lots of information and help them assimilate into the Society. Thad Hatchett has volunteered to lead this program. We need your help. If you are interested in becoming a mentor please contact me at Jeff Patterson [KB9SRB@hotmail.com](mailto:KB9SRB@hotmail.com) or Thad Hatchett at [astronomynut@comcast.net](mailto:astronomynut@comcast.net) . We will put your name on the list and assign a new person to you. Our goal is to retain people and make this hobby a lot more fun.



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## Do you have a question or need?

We are establishing a list of members who would be willing to receive calls for help on specific objects. If you have a specific skill and would be willing to help others please contact Jeff Patterson [KB9SRB@hotmail.com](mailto:KB9SRB@hotmail.com).

Based upon the responses we received to your intro question recently, perhaps we should add a section to the bulletin naming those members who would be willing to receive calls for help on specific subjects.

William Conner ([wmtconner@att.net](mailto:wmtconner@att.net)) - for CCD imaging and film photography.

Jeff Patterson ([KB9SRB@Hotmail.com](mailto:KB9SRB@Hotmail.com)) – Observatory design and construction

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## Public Outreach Programs – If you want to schedule a program at the Link Observatory or at your site, please contact the following people:

**Gerald Venne is our Public Events Coordinator.** He will be responsible for coordinating Public Events for the IAS. He needs your help. Let Gerald know if you would like to show the public our sky.

We need people to help at Link and elsewhere. It is actually a lot of fun.

To schedule a public event contact Gerald Venne 1 317 826-2680.

If you would like to schedule the Link, please contact

Gary Schoppenhorst at 1-317-297-1405 or at [schoppy@att.net](mailto:schoppy@att.net)

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## 75<sup>th</sup> Anniversary Lapel Pins

If you did not receive your Anniversary pin last year, please contact Vicki Switzer. If you want another, you can buy one from Vicki for \$5. If you want a pin mailed to you, contact Vicki and send her a check for \$7 made out to the Indiana Astronomical Society. If you were a member last year and still want your original pin please send Vickie a check made out to the IAS for \$2.00

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## Astro Ads

Are you changing or upgrading your equipment? Do you have or are you looking for astronomical materials and equipment? The Indiana Astronomical Society as a service to its members, will publish non-commercial ads at no charge. The ad will stay in the Bulletin for 4 months and may be renewed at the owner's request.

### To place an ad, contact:

Bulletin Editor

Jeff Patterson

1780 S. Morgantown Rd.

Greenwood, IN 46143

(317) 300-0449

E-Mail: [KB9SRB@Hotmail.com](mailto:KB9SRB@Hotmail.com)

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**For Sale:**

8mm Televue Radian \$160  
11mm Nagler Type 6 \$220  
13mm Nagler Type 6 \$225  
16mm Nagler Type 5 \$250

John Switzer  
2115 North Private Road 50E  
Centerpoint, IN 47840  
(812) 835-2251

**For Sale: - Astro-Physics 400 German Equatorial Mount**

Near new condition. Used less than a dozen times.

**9 lb. Stainless Steel Counterweight**  
**6 lb. Stainless Steel Counterweight**

Wood AP case

AP Encoders and cables

NGC-MAX DSC Computer

\$1700

Contact: Jim Rinehart 317-881-3475

**For Sale:**

Pentax SMC XL7 eyepiece  
\$150 obo

Jim Zdobyak  
zobel@aol.com  
317-862-4715

**For Sale – Takahashi FS-128** F/8.1 apochromatic refractor, Serial No: 01065. Excellent condition! I am the original owner, purchased 3/20/2002. The OTA has an upgraded Takahashi 10-to-1 Micro Edge Focuser and comes with a custom Scopeguard case (silver). \$3200.

If interested, I also have the following FS-128 accessories (not included with the OTA);

TAK Tube Holder  
Takahashi 7x50 Finder Bracket  
BT-Tak Quick Release  
Takahashi 1.25" Diagonal  
Kendricks (P-6010-A, Baader) Solar Filter (photographic)  
Kendricks (6010, Baader) Solar Filter (visual)

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Takahashi 2" Compression Ring Adapter  
Takahashi 2" Threaded extension

Daniel Cervantes [muddy@bluemarble.net](mailto:muddy@bluemarble.net) or (812) 361-7746,

**For Sale** – Sony 21" Model G520 Graphics CRT. Excellent condition, manual, all cables, for \$15. Contact Fritz Kleinhans, [Starman@iupui.edu](mailto:Starman@iupui.edu) or 317-290-1689 (cell).

Free astrophotography film to good home (or bad). I have dozens of rolls of Kodacolor Royal Gold 400 (red sensitive version) and LE 400 (red sensitive) color negative film. This film has been in the freezer since about 2001 and has expiration dates of about 2002-2003. Contact Fritz Kleinhans, [Starman@iupui.edu](mailto:Starman@iupui.edu) or 317-290-1689 (cell).

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## Onions and Orchids

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### The Equipment Loan Program

The Loan Program has been helpful to those new to the hobby and others in need of observing equipment. We consider offers of equipment you may not have need for any longer.

Did you know you could borrow a scope or piece of astronomy equipment from the Society and take it for a test drive? The Society has a program where members who are trying to determine what kind of equipment to buy can borrow one of the Society's scopes for a month or two and see how they like it. John Molt is the chairman of the program and can arrange for your pickup and training on the use of the particular instrument. This is a great way to see what telescope you want to purchase. We have several scopes, eyepieces and binoculars to loan.

John Molt ([1stargazer@indy.rr.com](mailto:1stargazer@indy.rr.com)) or (317) 989-1875

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### List Server Online - Don't be left in the cold - Sign up!

This service is our main communication tool. The list server is accessible only by IAS members. Being a member does **not** mean you are automatically entered into the "Members Only" section. If you are a new member, please go to the "Members Only" section and fill out an application. The Webmaster will set you up and notify you that you can get into the system. Make sure we have your correct e-mail and you will have access for late updates to events and functions. Unless you opt out for the List server, you will automatically have access to it when you are approved for the "members only" section.

Note: The list server is for use of Society business. It can only be used according to the rules as outlined previously. Basically it is used to communicate astronomical information to the general Society that would be unique. Please do not send out information from websites that we all generally subscribe to. Also please note: Do not add the list server address to your general address lists. Our problems have generally come from this when a member sends out mail to all their addressees. Members abusing the service will be eliminated from the service.

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## Board Meeting – Board Meeting October 6, 2008

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The IAS Board Meeting is being held at 430 Massachusetts Avenue in downtown Indianapolis. The building is at the point of convergence of Mass. Ave., Vermont and Alabama Streets. There is a Starbucks located in the frontage of the building. The coffee shop stays open late into the evening. Try to park as close to Starbucks as possible, preferably in a metered space. On-street parking is free after 5pm. Handicapped parking is directly in front of Starbucks entrance. The entrance to the building is to the left of Starbucks around on the side. We meet in the basement. Ride the elevator (around the corner to your left) to the basement. Turn right as you exit the elevator and go through the first door on your right. This is the conference/meeting room. If you need further assistance, please contact Brian P. Murphy on his cell phone 716-8124 or Jeff Patterson 317 506-0325.

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## General Meeting Dates 2009

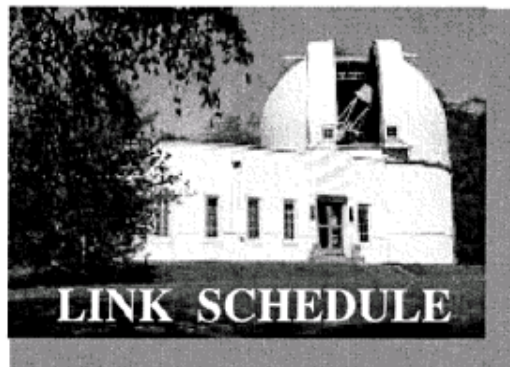
	<b>NAG</b>	<b>General</b>	<b>Board</b>
January		17-Jan	19-Jan
February		14-Feb	17-Feb
March		14-Mar	17-Mar
April		18-Apr	21-Apr
May	2-May 30-May	16-May	19-May
June	27-Jun	13-Jun	16-Jun
July	18-Jul	11-Jul	14-Jul
August	22-Aug	8-Aug	11-Aug
September	26-Sep	12-Sep	15-Sep
October		10-Oct	13-Oct
November		7-Nov	10-Nov
December		19-Dec	

## Goethe Link Observatory

### Observatory Address

**Goethe Link Observatory  
8403 N. Observatory Lane  
Martinsville, IN 46151**

**Observatory's Phone:  
(317) 831-0668**



This schedule is being published to assure proper access to the Link Observatory for programs that are designed as observational, general education, astronomy conferences or amateur research projects. Training programs are tentatively scheduled for Saturday evenings only. Although other requests can over-ride these sessions. It is the purpose of this listing to prevent activity conflicts.

If you need to acquire use of the 36-inch telescope: remember two important IAS guidelines: 1) *There has to be two or more IAS members present.....*2) *contact the Observatory Manager:*

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*Gary Schoppenhorst (317)297-1405. DON'T WAIT UNTIL THE LAST MINUTE TO MAKE YOUR REQUEST OR YOU MAY NOT GET ACCESS.*

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## **Bulletin Stats**

### **Accessing the Bulletin**

The current bulletin can be found on the website [www.iasindy.org](http://www.iasindy.org)

### **Bulletin - Bulletin deadline on the 20th of every month**

The monthly newsletter welcomes articles of local astronomical interest information and want ads:

Please submit to

The Indiana Astronomical Society, Inc

Jeff Patterson, editor

1780 S. Morgantown Rd

Greenwood, IN 46143

Phone: (317) 300-0449

[KB9SRB@hotmail.com](mailto:KB9SRB@hotmail.com)

*Membership information*

Contact any IAS officer or the Treasurer John Shepherd (317) 862-3442 or Vicki Switzer

[vswitzer42@verizon.net](mailto:vswitzer42@verizon.net) 1 812-835-2251

### *Link Observatory*

Latitude: 39 degrees, 33 minutes north

Longitude: 86 degrees, 24 minutes west

Phone: (317) 831-0668

IAS Internet address

<http://www.iasindy.org>

### **Executive Officers**

President: Jeff Patterson (317) 300-0449

Vice-President and Program Director: Doug Brown (317) 872-4050

Secretary: Betsy Brown 1-317-872-4050

Treasurer: John Shepherd (317) 862-3442

### **Board of Directors**

Gary Schoppenhorst (2009)

Gerald Venne (2009)

Tom Borlik (2010)

John Switzer (2010)

Ron Burgess (2010)

Greg McCauley (2011)

John Molt (2011)

### **Public Event Coordinator**

Gerald Venne [gvenne@iquest.net](mailto:gvenne@iquest.net) 1 317 826-2680

### **Library Committee Coordinator**

Greg McCauley [greg@ultrasoundconsulting.net](mailto:greg@ultrasoundconsulting.net)

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**Astronomical League Coordinator**

Bill Conner [wmtconner@att.net](mailto:wmtconner@att.net) 1-812 828-0449

**Membership Coordinator**

Vicki Switzer [vschwitzer42@verizon.net](mailto:vschwitzer42@verizon.net) 1 812-835-2251

### October Calendar, 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4 Full Moon ○	5	6	7	8	9	10 Hog Roast at Link
11 3rd QTR ☾	12	13 Board Meeting	14	15	16	17
18 New Moon ●	19	20	21	22	23	24
25 1 <sup>st</sup> QTR ☽	26	27	28	29	30	31

## Membership Application to the IAS

### Benefits:

- Use of the Goethe Link Observatory
- Formal monthly programs with guest speakers
- Local and regional astronomical functions
- Discounted Astronomy publications
- New Moon observing activities
- Access to IAS member experts and problem solving
- The Bulletin monthly newsletter
- Membership in the Astronomical League
- Free admission to the Holcomb planetarium
- Star party events and observing sessions

Please mark whether this is a new or renewal application

New

Renewal

Note: Magazine subscription renewals forms and payment must be submitted to the Treasurer in order to maintain publisher's club discount.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Telephone: ( ) \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

For the “membership only” section you need to provide a user name and a password:

User name: \_\_\_\_\_ Password \_\_\_\_\_

List Server - This service is our main communication tool. The list server is accessible only by IAS members and only for IAS related business. It is controlled very carefully to prevent spam. Unless you opt out for the List server, you will automatically have access to it when you are approved for the “members only” section.

I do **not** want to receive IAS communications via the List Server



The Bulletin – The monthly publication of the Indiana Astronomical Society

How do you want to receive the IAS monthly newsletter?

Downloadable from Website  Hard Copy\*

\* Please note that hard copy costs the Society about \$1.50 per issue. Please consider this when selecting mode of receiving the newsletter.

Annual Regular Membership (\$30.00)	
Annual Student Membership (\$10.00)	
Astronomy Magazine Renewal (\$34.00)	
Sky and Telescope Magazine (\$33.00) (New Subscription)	
Total Enclosed	

Make checks payable to: The Indiana Astronomical Society, Inc

Please complete Member Profile and include with the application

Mail Application to:

Vicki Switzer Membership Coordinator  
2115 N. Private Rd 50 E  
Centerpoint, IN 47840

### Member Profile

Spouse's Name: \_\_\_\_\_

Children's names and ages: \_\_\_\_\_

\_\_\_\_\_  
Note: Profile information is not a requirement for membership to the Society.