

The Bulletin – The monthly publication of the Indiana Astronomical Society

October, 2008
Volume 75, Issue 10
www.iasindy.org



The Bulletin

**The October General Meeting, October 18, 2008 5:00 PM
Goethe Link Observatory**

It's Party Time!!!

It is time for our annual pig out at the Link Observatory. Mike Kirsch is doing the honors of roasting the pig as well as chicken and hot dogs. All you need to bring is a side dish or dessert and an **APPETITE**. The IAS furnishes the meat, drinks and service.

This year is a very special year in that it is our 75th year of existence as a Society. Part of our celebration will be presentations concerning the IAS and its activities in the past. There will be door prizes. Camera Concepts has provided us with several good astronomical goodies to be given away. Adult members of record as of October 18 are eligible to enter the drawing for the door prizes.

History of the Indiana Astronomical Society

The Indiana Astronomical Society can trace its origins back to 1933 when, in the middle of the depression, people perhaps sought meaningful activities that didn't require much cash outlay. The Society beginnings really can be traced back to the energy and enthusiasm of one individual, that of its progenitor, Samuel S. Waters, who invited Boys Scout groups to come view the dark skies from his backyard at 29th Street and Kenwood Ave through a home-built telescope. *(A strange coincidence just discovered was that a few years earlier but just exactly two blocks west, on Graceland Ave, another young man was putting on the final touches to his composition, "Stardust"! We're not sure if Hoagy was inspired by Sam or vice versa!)*

Prior to these observing sessions, Mr. Waters always gave a lecture on what was visible in those night's skies and soon public awareness started generated larger and larger crowds. It was suggested to Sam Waters by one of female members of the Nature Study Club of Indiana that perhaps he ought to form an organization to promote astronomy to the general public and Mr. Waters agreed, but initially said that would fine as long as there was nothing formal with the likes of officers, dues, etc. So in 1933, the **Amateur Astronomers of Indianapolis** was founded with

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membership limited to *men only*!

A VIGNETTE FROM THE HISTORY OF THE INDIANA ASTRONOMICAL SOCIETY

FROM THE INDIANAPOLIS STAR – SUNDAY, MAY 28, 1933
(PROBABLY THE FOUNDING MEETING OF THE IAS)



FRONT ROW, Left to Right: Clark B. Hicks – Vice-President, Ted Kern, Emsley W. Johnson, Samuel S. Waters – President, and J. L. Sida
CENTER ROW: David Knapp, Jimmy Heirs – Treasurer, Charles Herman, Victor E. Maier – Secretary, H. P. Lec and D. C. Hills
REAR ROW: W. D. Hamer, R. S. Holmes, Kenneth Piper, W. H. Fox, W. H. Bass and A. Jaffee

Apparently, Sam Waters saw the “light” and one year later, the Society admitted its first woman member, Miss Laura Greely, (the person who first suggested the organization to Sam) and dues of 25 cents a year were instituted. Initially, there even wasn’t a monthly newsletter – just word of mouth or coverage of the meetings in the Indianapolis newspapers. The meetings were initially held at the Typographical Union Building on North Meridian Street and judging from a picture taken in May of 1933 with its 1st public meeting, suit coats and ties must have been the norm.



One of the earliest IAS (then *Amateur Astronomers of Indianapolis*) meetings – photo taken sometime between early summer to late fall in **1933** and obviously a Sunday gathering. The location was the Typographical Union Building on North Meridian St. The only people that can be identified are Sam Waters (with cane) and Vic Maier (fifth person from the left)

A few years later, a local prominent physician who was also interested in all aspects of nature attended one of these meetings and later came back to hear more intriguing “stories of the night skies” from Sam Waters and other speakers. That doctor was Goethe Link and apparently was so impressed by the speakers’ enthusiasm that he enrolled in a class on astronomy that was taught by Dr. Kenneth Williams at the I.U. Extension in Indianapolis. He then started formulating plans to build a small observatory on a site that he acquired in Morgan County as his country home. To say that Sam Waters influence on the nature-loving community was infectious would be putting it mildly for in 1937, Dr. Goethe Link started construction on (with much technical and hands-on assistance from the Society’s members) the Goethe Link Observatory – whose completion two years later with a 36” reflecting telescope ranked it as the 8th largest observatory in the United States and then the largest private observatory in the nation!

Monthly meetings were later moved to Cropsey Hall at the Central Library in downtown Indianapolis and a “Technical Division” was formed in 1949 to assist members in the

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construction of their own telescopes. And those meetings also turned into observing sessions – indeed, one of the Society’s then presidents, *Emsley Johnson Sr.*, had some farm land and dark skies on what is now West 73rd St – between Spring Mill and Ditch Roads. There, a used box car, next to Crooked Creek, housed the telescopes used by members and the myriad wonders of the night sky were shared by members and visitors alike.

Mr. Waters passed away in 1949 and his leadership and inspiration was sorely missed, but new members picked up the baton and a young Indiana Bell engineer, *Walt Wilkins*, who had been the IAS’s Bulletin editor since 1934 really provided the glue that held our group together over the years.

In later years, the monthly meeting moved to the Lilly Science Hall on the campus of then, Indiana Central College, but alas the dark skies and observing sessions seemed to be a thing of past until 1988 when Indiana University offered our group access to Goethe Link Observatory for its “warm month” meetings. However, then like now, Butler University’s Holcomb Observatory, is the location of our November through April meetings where the Indiana Astronomical Society still has its monthly public lecture meetings with speakers that help entertain and inform the members and the general public with the always amazing stories of the universe and its wonders!

Nominations Committee

If you would like to serve on the nominations committee [please see me. I need two people to serve with me to look for members who would like to run for office.

The Pres

Elections are Coming

It is time to begin thinking about elections again. Our elections will be held in December. There will be two Board members up for election as well as the four officers. I urge you to consider running for office. If you would like to be a part of the governing body of the Society and help steer the direction of the Society please see one of the members of the Nominations committee which is to be designated this month or see me. This looks like it may be another exciting year in our history.

The Pres

IAS Calendar of Events for October

October 18 - General meeting Hog Roast and observing at [Link](#)

October 23 Board Meeting

October 25 General Observing at [Link](#)

New Astronomers Group Meeting

The last NAG meeting of the year was held in September. It was a great success with over forty visitors. This has been a great series this year and we have gained several new members from it. It was a lot of fun also.

Thanks to John and Vicki Switzer for leading this program. They put a lot of time in it. John says he will do it one more year and we will start early in May 2009 for another 6 months of public programs.

Star Party Reports

Prairie Skies Star Party

John Molt and Terry Steadham ventured to the star party and had a very good time. They said that the party is growing every year. This is not a hard core observing event as it is too close to Chicago but there are vendors and it is a great social event. This is a three day party and you should think about going next year.

Twin Lakes Star party

This last week has been the 19th year for the Twin Lakes Star Party held in the Pennyville State Forest in western Kentucky. I believe that there were 13 members of the IAS present. The skies were gorgeous except for Monday night when it rained. This is a great place to go and observe. It is a no frills event with no vendors but the sky is great and the people super. Mike Wolford has been trying to get me to go for years and I am hooked. It is about 5 hours from Indianapolis.

Trip reports

Note from the Editor ; For a number of years, there has been a rift among amateur astronomers regarding the formation of the Universe and in particular the time line. It is almost a taboo subject in which everyone is very uncomfortable. There are some who believe in the strict Biblical description of the creation of the Earth and the Universe and then there are those who believe in the strict “scientific” approach that the Universe was formed over a period of about 13.7 billion years. IAS member Marion Hakes has visited the Creation Museum in Kentucky and describes his visit.

One of my primary goals when it comes to discoveries of any type is to always keep an open mind. When I was in college an Astronomy professor once told us a quote from Albert Einstein - - “No amount of experimentation can ever prove me right; a single experiment can prove me wrong.” I have been studying cosmology, geology, and fossils for a very long time and I will say that I do not always accept all the theories that are out there.

Recently I paid a visit to the Creation Museum south of Cincinnati, Ohio. I highly recommend visiting the museum no matter what your beliefs. First and foremost, the museum is based on the concept that the earth and the universe were created in six days. The museum’s exhibits begin at the point of creation according to the Bible with the events that started, occurred, and continued after a world wide flood. One of the main ideas that I heard from many of the videos from scientists (paleontologist; geologist; astronomers) is that they and “non-creation” scientists study the same rocks; the same bones; the same fossils; the same DNA, the same plants and animals; and the same celestial objects -- the only difference is the view point of when it started.

It took all day to go through the museum. In addition, the museum offers a planetarium show (nothing new beyond what we already know so save your money), a petting zoo, and an outdoor botanical garden. The museum also has exhibits and information on the non-evolutionary beginnings of man, animals, plants, and insects, exhibits of the dinosaurs as well as an exhibit on Noah’s Ark and the catastrophic flood that followed.

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The museum does offer a fine gift shop, as well as a few restaurants. One of the major disappointments that I had with the museum was the cost as I felt that it was pretty expensive. However, the price includes the special effects theater and the petting zoo. Information concerning the museum, how to get there and the costs can be found at their website www.creationmuseum.org.

Upcoming Star Parties and Registrations

Winter Star Party – February 21-28, 2008- Registration has opened. Tickets are generally available on Astromart and elsewhere.. Check 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 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 - Fall Creek Falls State Park TBD
<http://www.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 April 19-26,2009. 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

Cherry Springs Star Party Cherry Springs State Park, PA June 18-21, 2009
<http://www.astrohbg.org/s4>

Heart of America Star Party MO TBD
<http://www.hoasp.org/>

Nebraska Star Party – July 19-24, 2009- 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/>

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EPOCH 2007 The 21st Century Midwest Star Party TBD
Beaver City, Indiana. This is a new star party put on by 20-20 Telescopes.
<http://www.2020telescopes.com/EPOCH2007.html>

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

Indiana Family Star Party Camp Cullum, Frankfort, IN July 23-26, 2009
<http://jmmahony.home.insightbb.com/pgo/starparty/>

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

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

ALCor News

CONSTELLATION HUNTER CLUB

The Constellation Hunter Club has certificates and pins for Northern and Southern Skies.

No equipment is needed other than a reference work to help you identify the extent of each constellation. This can be as simple as a planisphere but I recommend the “Constellation Guidebook” by Antonin Rukl or a good star chart. The guidebook can be had used for just a few dollars. It contains a wealth of information on each constellation and the objects you are likely to see within its boundaries. A pair of binoculars will help you enjoy the brighter objects within each constellation.

To qualify for this award, you only need observe and sketch the constellations on the checklists. For us northern observers that’s 39 constellations.

For each constellation, you need to provide the following:

- Local date and time of your observation.
- Latitude and Longitude of your observing site
- Sky conditions: transparency and seeing
- Name of the Constellation
- A sketch of all stars that are visible to the unaided eye out to the limits of the constellation boundary
- Named stars should be identified on the sketch

The sketch should include other objects that are visible within the boundaries, including but not limited to: galaxies, star clusters and nebulas. You may embellish the list of objects by using a pair of binoculars.

Submit your sketches to the Society's Awards Coordinator, that's me for now, and I'll process your entry for the award.
ALCor Observations by Bill Conner

Observer's Corner

Next Two Weeks. Avg. sunrise: 7:20 a.m.; avg. sunset: 7:19 p.m. (exact for Waco, TX)

* Monday is the autumn equinox, the first day of fall when the day and night are of equal length, and the Moon is at 3rd quarter.

* Wednesday morning the crescent Moon is above the Beehive cluster, and next morning below it.

* Friday morning the crescent Moon is to the right of the star Regulus low in the east.

* The morning of Sept. 27, a thin crescent Moon is to the upper right of Saturn low in the east just before dawn.

* The Moon is new Sept. 29.

* The early evening of Oct. 1, a crescent Moon is below Venus low in the west with much fainter Mars to their lower right.

* The evening of Oct. 3, the Moon is to the lower right of Antares.

Naked-eye Planets. Evening: Venus is emerging as the "evening star" as Mercury and Mars are sinking into the setting Sun. Bright Jupiter dominates the southern sky.

Morning: Saturn is rising low in the east an hour before sunrise.

Astro Milestones. On Sept. 23, 1846, Johann Galle & Heimrich d'Arrest discovered the planet Neptune from Germany's Berlin Observatory--a discovery based on the predictions and position-calculations of Urbain Jean Joseph Leverrier of France.

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Stargazer appears every other week in the *Waco Tribune-Herald* and other Texas newspapers. Paul Derrick is an amateur astronomer who lives in Waco. Write him at 918 N. 30th St., Waco, TX 76707, call or fax at (254) 753-6920, or e-mail at paulderrickwaco@aol.com.

Link Activities for October:

Hog Roast October 18

General Observing October 25

McCloud Activities for October--

None planned

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.

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

For those interested in going to McCloud to observe, please call the park caretaker, Jim Holtsclaw, at the park office 765 676 5490 before 4PM on the day you want to go out. He will give you permission to be there at night and cut off the lights.

New Members

Seek out these new members and welcome them and see if there is anything they need.

IAS LIBRARY:

The IAS library is available at the Link Observatory. Tom Borlik has graciously donated bookcases and we have converted the bunkroom into a library. Our complete list can be found (<http://www.iasindy.org/memonly/iasfiles.php>, which is password protected).

Larry A. Marcus

IU Kirkwood Observatory

The Observatory will be open every Wednesday night, weather permitting, until November, 2008. Please visit our schedule at 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 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.

Easy Listening:

Weekly podcasts 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.

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 or Thad Hatchett at astronomynut@sbcglobal.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.

Public Outreach Programs

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 or Jeff Patterson at 1-317 882-8055.

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

For Sale - I have a Orion Space Probe 130 mm focal length F/7.0 brand new about 5 months old used about 5 times. Comes with a protective case. 10mm 25mm with a 3x barlow, a solar filter for the sun, a moon filter 25% all filters are still in original boxes and a laser collimator. I have about 600.00 invested into it or more all bought from Orion company still under warranty. Asking 400.00 great for someone just starting out Chris Mendoza 317 731-4241 or my cell 317 654-9871

For Sale - Astronomy photographic prints for sale. The prints are displayed at <http://www.dougsastro.net>. 12" X 18" prints are \$25.00 and 8" X 12" are \$15.00. All of the images were taken by Doug Sanquetti. Most were taken locally near Cicero, IN but a few were taken at Star Parties. Any print on the web site may be ordered by contacting Doug at drsanqun@gmail.com

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For Sale – Celestron 102mm F/5 acromat OTA. I purchased this scope to use as a finder but really do not use it. It would make a great first scope. \$175 Jeff Patterson kb9srb@hotmail.com or 317 506-0325.

For Sale – Tele-Vue Gibraltar mount and ash tripod. This is the older style but is in good shape and makes a fine alt/az mount. \$400 Jeff Patterson kb9srb@hotmail.com or 317 506-0325.

For Sale – Giro mount and AP surveyer's tripod. This is an outstanding alt/az mount and will handle most telescopes up to about 20 pounds. Accepts scopes with Losmandy D dovetail plates. I just don't use it anymore. \$400 Jeff Patterson kb9srb@hotmail.com or 317 506-0325.

For Sale – Losmandy GM-8 mount and tripod. I have added a G-11 saddle that takes the Losmandy D dovetails. In addition I have the Losmandy tube extension that makes it a nice for use with refractors. Includes a Losmandy polar alignment scope. The mount is about a 1990 model and drives well and is in pristine shape. \$1200 Jeff Patterson kb9srb@hotmail.com or 317 506-0325.

Onions and Orchids

A bouquet of orchids to John and Vickie Switzer for their leading the NAG.

The Pres

The Loaner Program

The Loaner 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 can 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) or (317) 989-1875

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

This service is our main communication tool. The list server is in the "Members Only" section of the site and is accessible only by IAS members. Make sure we have your correct e-mail and you will have access for late updates to events and functions.

Being a member does **not** mean you are automatically entered into the "Members Only" section and the have the List Serve available. If you are a new member please go to the "Members Only" section and fill out an application. Also within the Members only section you will find an application for the List serve. The webmaster will set you up and notify you that you can get into the system.

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

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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.

Board Meeting – Board Meeting October 23, 2008

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 main entrance to the building is to the right of Starbucks. 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, IAS Vice-President on his cell phone 716-8124.

General Meeting Dates 2008

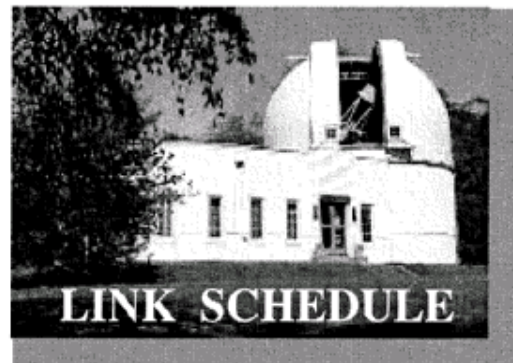
The Board has made a major decision for the Society. In years past there have been major conflicts with star parties and other events and the General meeting which is held the second Saturday of the month. The Board has decided to “float” the date of the general meeting each year based on the phase of the moon. Basically the general meeting will be held close to third quarter moon. The dates of the general meetings will be published at the beginning of each year. We think this change will provide the following benefits:

1. Allow us to schedule NAG (New Astronomer’s Group) meetings at McCloud on Saturday nights good for observing with the public.
2. Prevent conflicts with star parties that generally occur around the new moon which is early in the month in 2008.
3. Still provide observing opportunities at the Link during the Summer months.
4. We will continue to float the Observer’s meeting at the Link to provide the best observing possible.

January through March - will stay on the 2nd Saturday at Butler
September 20 at Link
October 18 at Link (Hog Roast)
November 15 at Butler
December floats for the Christmas Party at Butler

Goethe Link Observatory Observatory Address

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



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

Bulletin Stats

Accessing the Bulletin

The current bulletin can be found on the website 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

Membership information

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

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

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Board of Directors

Gary Schoppenhorst (2009)
Gerald Venne (2009)
Tom Borlik (2010)
John Switzer (2010)

Ron Burgess (2010)
Marion Hakes (2008)
John Molt (2008)

Public Event Coordinator

Gerald Venne gvenne@iquest.net 1 317 826-2680

Library Committee Coordinator

Larry Marcus marcus@mwmacoustics.com 317 842-6658

Astronomical League Coordinator

Bill Conner wmtconner@sbcglobal.net 1-812 828-0449

October Calendar, 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7 ☾	8	9	10	11
12	13	14 ○	15	16	17	18 General Meeting at Link General Observing
19	20	21 ☾	22	23	24	25 General Observing At Link
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: _____

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.

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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: John Shepherd, Treasurer

4609 Callahan St.

Indianapolis, IN 46239

Member Profile

Spouses Name: _____

Children's names and ages: _____

Education: _____

Occupation: _____

How many years associated with Astronomy? _____

Special astronomical interests or projects: _____

-

Equipment: _____

What can the Society do for you? _____

What can you do for the Society? _____

Note: Profile information is not a requirement for membership to the Society. This information is entered into the IAS database and is not given nor sold for solicitation purposes. It does provide for a brief welcoming article for new members and may be used by the society to match people with similar interests.