



The Bulletin

2009 International Year of Astronomy

The December General Meeting, December 19, 2009 7:00 PM Holcomb Observatory

Annual Christmas Party and General Election Night

Our annual Christmas party will be held at the Holcomb Observatory beginning at 7:00 PM. The Society will provide the meat. Angie Molt is cooking turkey, macaroni and cheese and green beans. Members whose last name begins A-M please bring additional hot dishes to go with the turkey. Members whose last name begins with N-Z please bring a dessert. There will only be a short business meeting to get the election out of the way but then it is time to have some good food and chat with our friends.

Raffles Raffles Raffles

We will also hold a raffle during the meeting. A Meade ETX90 has been donated to the Society. Additional items such as books, observing aids and astronomical calendars will be included in the raffle. Tickets will be \$2 each or 3 for \$5

Election Night December 19, 2008

According to the By-Laws of the IAS, the IAS elections will take place during the Annual Meeting to be held December 19, 2008 at the Holcomb Observatory on the Butler campus. The meeting begins at 7:00PM. All members in good standing and their spouses are eligible to vote. If you cannot attend, you may mail a signed absentee ballot to the Secretary. Absentee ballots must be received prior to the election. Additional nominations may be made from the floor by any member at the time of the election. All nominees must agree to serve prior to the election.

Offices shall be filled by election by majority vote of the membership at large at the annual meeting. Votes by absentee ballot shall be recognized provided the signed absentee ballot is received by the Secretary before or during the annual meeting. Votes by proxy will not be recognized.

The Report of the Committee on Nominations

The following slate of candidates have been received and candidates have agreed to run.

President -

Jeff Patterson

Vice President and Program Chairman -

Doug Brown

Treasurer:

John Shepherd

Secretary:

Betsy Brown

Board of Directors (Two to be elected)

Derek Baker

Bill Conner

Marion Hakes

Gerald Venne

Report presented by Jeff Patterson

Nominating Committee

If you cannot attend the meeting on Election Night, please vote absentee. We need your participation.

Absentee Ballot

President: _____

Vice President: _____

Treasurer: _____

Secretary: _____

Board of Directors (vote for **Two**)

Signed: _____

Mail ballot to

Betsy Brown, Treasurer
1546 Trace Lane
Indianapolis, IN 46260

Absentee ballots must be received prior to the election

Meet Your Candidates

President

Jeff Patterson – I joined the Society in 1994 when I had bought a used Celestron C-6 Newtonian and wanted to learn more about the sky. I thought that a Society would be a good way to learn from others. A friend of mine who was a member of the IAS invited me to a meeting at Butler and I was hooked. I truly enjoy the many friendships that I have had with IAS members and members of other societies. I now have friends all over the country that I look forward to meeting each time I go to a star party. I have served many positions in the Society; Editor of the Bulletin, Board member several times, Secretary, Vice President and Program Chairman and President. I have been involved and am deeply interested in public outreach. I love to show kids their first view of the Moon or Saturn. I am an avid star party attendee and you will generally find me at local and regional parties with my Dob looking at the faint fuzzies. Next year, I plan to develop a program observing the planets and the moon. If elected, I will work hard next year with the new opportunities at the Link in its preservation and expansion of its programs as well as expanding our programs at McCloud.

Vice President and Program Chairman

Doug Brown - When I was 10 years old, I developed a real fascination for astronomy, thanks to my fourth grade teacher. In the mid-1990's, that interest was rekindled and I joined the IAS. This was a great move as I have enjoyed many IAS activities: the meetings, outreach programs, and observing at Link, McCloud, and at dark sky sites. I am an amateur telescope maker and have made several Dobsonian telescopes -- I am now finishing a 15in. I have been on the IAS Board for about 8 years. I helped rewrite the New Members Brochure, hoping to encourage our new members to become more active in the Society. I have worked at the outreach events and think these programs make a valuable contribution to the public. I would like to see us work to get more of our members to participate in outreach and observing events. As vice president and program chairman, I would like to expand our base of outside speakers to appeal to a variety of astronomical interests.

Secretary

Betsy Brown - I started coming to the general meetings of the IAS about 11 years ago with my husband, Doug. I don't have a science background, so you can imagine how surprised I was to learn how much I liked astronomy and the club. I really enjoy

going to IAS events and participating in our outreach programs. I always get a bang when a kid looks at Saturn for the first time and says “cool”! When observing, I use a small Dob and like the challenge of finding globular clusters, nebulae, and other deep sky objects. It has been fun going to star parties and meeting other amateurs, and I hope to go to many more star parties in the future.

Having served as the IAS secretary for the past three years, I also helped edit the New Members Brochure. If re-elected, I would be happy to serve as the club’s secretary for another year.

Treasurer

John Shepherd - I first began attending the IAS in 1968 when Dick Schlegel, a co-worker, told me about the Society when it was meeting at Indiana Central (now Indianapolis University). I attended for about one year until I started at Purdue. I rejoined in 1999 and since then I have served as treasurer for 5 years. My main interest is observing and the study of cataclysmic variable stars from both a taxonomic and etiologic perspective.

Board of Directors

Derek Baker - Born and raised in Midwest Michigan , which I left shortly after graduating high school to enlist in U.S. Marines as an Infantryman for four years. I was stationed outside of San Diego, California where I met one of my greatest obsessions, astronomy. I became fascinated with the dark sky and its heavenly bodies in 2001 and found myself traveling to remote destinations devoid of anything but curiosity. After completing my service I went on to college to study Mathematics and eventually found myself at Indiana University, Bloomington. While continuing my studies I became an Indiana University Police Officer where I was able continue by desire being as a servant of the people.

Today I still enact my duties as Police Officer ,but for the swiftly growing community of Plainfield in special operations and as a community crime watch officer. In my spare time I spend considerable efforts in pursuing my new found interest of astrophotography. I find myself stubbornly slewing the night sky in pursuit of objects I can only pretend to understand and the painstaking efforts of capturing photos to share with others. I enjoy sharing my experiences in astronomy with strangers, society members, and family. I can only hope in some fashion this enlightens him or her in to what I refer to as one of the greatest interests the human race has taken upon themselves. I feel very fortunate to have my supporting wife, Jennifer, and the luxury to chase my great obsession. I intend on performing my duties as a contributing member with the 2010 New Astronomers Group (NAG). I'm enthusiastic for the opportunity and look forward to working with the society's most experienced member to it's the most inexperienced new comer.

Bill Conner - The impending impact of comet Shoemaker-Levi with Jupiter in 1994 rekindled my long standing interest in astronomy. A public star party, hosted by Butler, was listed in the Indy Star, so I attended and became acquainted with members of the Indiana Astronomical Society. As a result, I joined the Society and I received help with my decision to buy a basic telescope. I will always be indebted to the experienced amateurs in the Society

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who helped me get started. I have served the Society as Vice President and the Board of Directors for 9 years. I enjoy the challenge of astroimaging and observing so I frequently attend star parties where I can set-up my gear for a week. I also enjoy fellowship with other amateur astronomers. I'm "handy," so I usually try to participate in projects like the barn raising at McCloud and I manufactured the mirror grinding table tops for the Society. Outreach has been a significant part of my participation over the last six years and I coordinated the Society's participation in star parties for Indy school children and the Children's Museum for many years. Recently, I directed an effort to determine the Society's interest in becoming a member of the Astronomical League. The positive response resulted in membership and I volunteered to be the Astronomical League Correspondent and Awards Coordinator. In this capacity, I write "ALCor Observations" articles for *The Bulletin*. It is my desire to strengthen our current programs that are so highly valued by our members and seek out new areas of general interest.

Marion Hakes - Franklin, Indiana. Married 28 years, and has a 16-year old son.

Board Member -- Edinburgh Church of the Nazarene;
Trustee -- Edinburgh Church of the Nazarene

Previous positions -- Board Member to the Ft. Wayne Astronomical Society; Secretary and Program Director FWAS; Board member to local Star Trek clubs. Previous Board member of the IAS

Interests: Astronomy (duh), Geology, Biblical Theology, Star Trek, writing, and internet role playing,

I am one of those amateur scientists who go against the accepted views of the creation of the universe, and question the whether some research is politically and financially motivated. My interest in astronomy is in stellar evolution and planetary or satellite geology. I believe in the "Young Earth/Universe" ideal and am interested in reading or hearing professional scientist research on the subject.

Gerald Venne - Gerald has been a member of the Indiana Astronomical Society since November of 2002 and an IAS Board Member for six years. He is currently the IAS Public Events Coordinator, a keyholder for the Goethe Link Observatory and a certified telescope operator for 36" Link telescope. Gerald is a Indiana Registered Architect and lives on Indianapolis' northeast side with his wife, Jeaninne, and their three children: Mary, Christopher and Timothy.

Gerald's interest in space began and flourished through his growing-up years in the midst of the space race and the associated Mercury, Gemini and Apollo programs. His interest in astronomy earned him his first telescope, a 3.5" reflector from Edmund Scientific, in the fourth grade. His interest in observational astronomy waned for a number of years but not his interest in space and science. Astronomy took on new life for him during camping trips with his wife and soon prompted him to investigate local astronomy clubs where he found the IAS. His enthusiasm for education and science shows in his dedication to promoting the science of astronomy to schools, libraries, scout troops and other public venues.

IAS Calendar of Events for December

December 19 – Christmas Party at Butler

UP Coming Star Parties For 2010

Winter Star Party – February 8-14, 2010- Registration is currently going on. 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 Keys in February.

Mid-South Stargaze April 14-18 Mississippi 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.
<http://www.rainwaterobservatory.org/stargaze>

Tennessee Spring Star Party 2010 - Fall Creek Falls State Park TBD
<http://personal.bna.bellsouth.net/s/p/spsmith/default.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 May 9-16, 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

Two Rivers Spring Star Party May 13-16
www.freewebs.com/tworiversstarparty

Cherry Springs Star Party Cherry Springs State Park, PA June 10-13
<http://www.astrohbg.org/cssp/information>

Nebraska Star Party – August 8th - 13th, 2010 - North Central Nebraska - This is a premier dark site and has fantastic observing. However, the weather can be 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).
<http://www.nebraskastarparty.org/>

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

Earth Wind and Sky Star Party August 5-8
www.freewebs.com/earthwindsky

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

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Astrofest TBD Kankakee IL
www.chicagoastro.org

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

Okie-Tex Star Party – October 2-10 This is reported as one of the darkest sites in the US. It is a great deep sky event.

Twin Lakes Star Party October 2-10 This is a great party very close to home
www.wkaa.net

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

ALCor Observations by Bill Conner

TELESCOPES FOR ENJOYABLE VISUAL OBSERVING

Over the past 20 years, amateur telescope electronics has revolutionized what used to be a basically mechanical system. Some of the capabilities we see in the new products of today were not even thought of 5 years ago. We now have systems complete with GPS receivers to set your location and time, and automated alignment programs that only require you to flip a switch then stand back and let it do its thing. For us clear sky poor souls here in Indiana, these systems can help us make best use of an infrequent clear night. Punch in an object's number and either "push-to" or "go-to" it right away, saving precious time for enjoying the object. Also, most of these systems will take you on a "What's up tonight tour." Yes, it helps to know the constellations and your way around the sky via star hopping and we encourage that endeavor. Your society has a mentor program to help newcomers find their way around, but we cannot be everywhere on a clear night.

I'm going to review some sample telescopes for enjoyable visual observing in three price ranges. I'm being mindful of our current precarious economic situation that has impacted many families, so we will start with a current state of the art Dobsonian mounted reflector and go up from there. I recommend an 8 inch or 200mm aperture telescopes that not only let you view the bright objects in the sky like the Moon, planets and bright nebula, but it also has sufficient light grasp to view distant galaxies. There are many manufacturers and vendors with similar products. I will cover a sample in this article. You can scale the aperture down for children or up for those of you who have more resources and can lift heavier equipment.

For the newcomer with limited funds an 8 inch "Dob" is a great way to start. Set-up time is less than five minutes. You just haul it out and set it down in the yard. A chair or multi-step stool is needed for comfortable observing as the eyepiece can be anywhere from 1.5 feet to 4.5 feet off the ground. Some find it handy to set the scope on a sturdy, short, say 1.5 to 2 foot high table to raise the eyepiece height and give you a surface to lay out your charts. A good example of this type of telescope is the Orion SkyQuest XT8 Classic Dob currently at \$330 plus a \$35 shipping charge (www.telescope.com). You will need to add a 10mm plossl eyepiece for high power views. For \$530 you can have

the XT8i computerized intelliscope with two eyepieces included. A small computer tells you the direction you need to “push” the scope to center a designated object. With “push-to” systems, you keep the object in the field of view by manually moving the scope. Add about 10 minutes to your set-up time. I highly recommend this version, as a telescope is worthless unless you know where to point it. Used scopes like these frequently show up on Astromart (www.astromart.com) at very reasonable prices. The next step up is a compact motorized “go-to” telescope. The most reasonable new 8 inch scope at this moment is a Celestron NexStar SE priced at \$1,199 less a \$100 rebate (www.celestron.com). This telescope is an updated version of the original orange Schmidt-Cassegrain telescope developed by Celestron in the 70s and reintroduced for the International Year of Astronomy. The advantage of this type of scope is that the eyepiece is always at a comfortable viewing height. The optical tube clamps to a single tine fork mount atop a reasonably sturdy tripod. This arrangement allows you to use the mount for other small telescopes such as an 80mm refractor. You will need to buy several eyepieces to make best use of this scope. Set-up time is about 20 minutes since you have to assemble the mount.

To make the next step up the cost doubles to the \$2,000 range. For this amount of money you get better optics, GPS, full automation, a heavier, dual tine fork mount and an astrophotography/ autoguiding capability. One word of caution, the fork mount is not the best option for serious astrophotography. I highly recommend that you talk with our resident astrophotographers if your goal is serious astrophotography. Meade (www.meade.com) has beefed up it’s LX90-ACF telescope to the point it rivals their most expensive LX200 model. ACF stands for an Advanced Coma-Free optical train that significantly reduces coma, an optical defect inherent in Schmidt-Cassegrain telescopes that causes star images to become increasingly fan shaped away from the center of the optical axis. Meade corrects for this problem with a “full aperture aspheric corrector plate” in front of the primary mirror. On the other hand, Celestron, Meade’s competitor, offers the CPC 800 GPS Schmidt-Cassegrain for visual observing (\$2,000) and the CGEM 800 Edge HD for photography (\$2,400). The latter uses a German Equatorial Mount that permits easy balancing of heavy photography accessories mounted on the back of the optical tube. “Edge HD” refers to an improvement in the optical train via field flattening lenses. Edge HD eliminates coma in the field of view of large format CCD and digital cameras. Set-up time can be as short as 20 minutes for visual observing and an hour for photographic purposes. Both manufacturers offer heavier, upscale mounts and optical tubes. Let your wallet be your guide.

Link Activities for December:

None Scheduled

McCloud Activities–

None Scheduled –

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

Observing Activities

FIREBALLS AND METEORS: Well as usual we missed it again. Observing here in Indiana has really sucked this year. As forecasters predicted, the Leonid meteor shower

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peaked during the late hours of Nov. 17th, favoring sky watchers in Asia with an outburst of 100+ meteors per hour. Just as the outburst was dying down, an even bigger event took place over the western USA. Something hit Earth's atmosphere and exploded with an energy equivalent of 0.5 to 1 kiloton of TNT. Witnesses in Colorado, Utah, Idaho and elsewhere say the fireball "turned night into day" and "shook the ground" when it exploded just after midnight Mountain Standard Time. Researchers who are analyzing infrasound recordings of the blast say the fireball was not a Leonid. It was probably a small asteroid, now scattered in fragments across the countryside. Efforts are underway to measure the trajectory of the asteroid and guide meteorite recovery efforts.

The Kirkwood Observatory Solar Telescope is open on the "First Saturday" of each month from 1-3 PM. Viewers may even be able to see a solar prominence or two weather permitting. Updated weather conditions and closings will be posted at the Kirkwood Observatory Hotline at (812) 855-7736, and at the Observatory webpage, <http://www.astro.indiana.edu/kirkwood.shtml>.

Monthly openings of the solar telescope are planned for the first Saturday of each month during our 2009 observing season, in celebration of the International Year of Astronomy. And if you want to follow the Sun in between our monthly Solar Telescope openings, the website www.spaceweather.com provides daily updates.

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 office 765 676 5437 before 4PM on the day you want to go out. They will give you permission to be there at night and make arrangements to cut off the lights.

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

Membership Status

The following changes in membership took place in November:

Renewals: 3

New student members:

New Members:

Jim and Lajauna Garten – Greenwood

Inactive status:

Chris Chambers

Linda and Steve Cox-Langford

Ken Reynolds – moved to Michigan

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Walter Schroeder
Arvel Turner

Renewed from Inactive status:

Chris Mendoza

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 .

IU Kirkwood Observatory

SEE JUPITER AT KIRKWOOD OBSERVATORY THIS FALL

Kirkwood Observatory on the IU campus will be open each Wednesday evening through the fall, weather permitting! Join us for a night of observing the night sky with the Kirkwood 12" refractor. Please visit our schedule at <http://www.astro.indiana.edu/kirkwood.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 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.

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@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.

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.

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) - for CCD imaging and film photography.
Jeff Patterson (KB9SRB@Hotmail.com) – Observatory design and construction

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

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.

If you would like to schedule the Link, please contact
Gary Schoppenhorst at 1-317-297-1405 or at schoppy@att.net

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: - 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

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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
zobe1@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)
Takahashi 2" Compression Ring Adapter
Takahashi 2" Threaded extension

Daniel Cervantes 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 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 or 317-290-1689 (cell).

Onions and Orchids

I would like to thank the Board and the coordinators who have worked diligently this year to make 2009 an even better year. With support like this, my job is very easy.

Thanks Guys!!!!

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) 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 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.

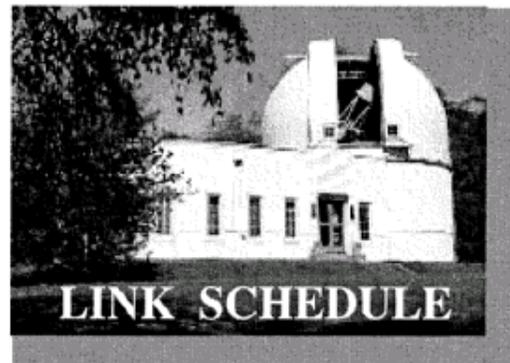
Board Meeting – There is no December Board Meeting

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.

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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 or Vicki Switzer

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 1 317 826-2680

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Library Committee Coordinator

Greg McCauley greg@ultrasoundconsulting.net

Astronomical League Coordinator

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

Membership Coordinator

Vicki Switzer yswitzer42@verizon.net 1 812-835-2251

December Calendar, 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2 Full Moon ○	3	4	5
6	7	8 3rd QTR ☾	9	10	11	12
13	14	15	16 New Moon ●	17	18	19 Christmas Party
20	21	22	23	24 1 st QTR ☽	25	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.