

The Bulletin – The monthly publication of the Indiana Astronomical Society

October, 2007
Volume 74, Issue 10
www.iasindy.org

The Bulletin



The October General Meeting, October 13, 2007 5:00 PM Link Observatory

October 13 Means Party Time!!! It is time to Pig out!!

Mark a place in your calendars for October 13. We have two special treats:

The Annual Hog Roast will be held at the Link Observatory October 14 beginning at 5 PM. The Society furnishes the meat and drinks. Please bring a covered dish. Traditionally this has been one of our best turnouts each year. Master chef Mike Kirsch will be roasting again this year. Come one come all. There will be no speaker this year.

But that is not all! Caty Pilachowski has invited the IAS to come to Kirkwood Observatory in Bloomington for a tour of the Kirkwood Observatory, see and maybe view through the 12" refractor built by Warner & Swasey and, as a special treat, the Remote Observing Center. We may be able to connect to one of the observers at Kitt Peak by video! This is an event you can't miss!!!

We will have maps on where to go.
The Pres

Elections Are Coming

Man time flies! It is getting to be that time of year when we elect officers and Board members. Elections are in December (if the new By-Laws are in place). This year you will be electing the officers, President, Vice President, Treasurer, and Secretary, and three Board members. The Board has established a nominating committee to develop a slate of officers and Board members. If you have interest in running for an office or know someone who would be good, please let one of the members of the Committee know and we will place you on the ballot. You have to be a member in good standing to run for a seat. This is your chance to provide leadership in the Society and direction of its activities.

Nominating Committee:

Jeff Patterson – KB9SRB@hotmail.com

Brian Murphy

Thad Hatchett

The Pres

The Board meets on Thursday after the General meeting and we meet downtown Indianapolis at 7PM.

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Duties of the various offices

(1) The President shall preside at all meetings of the members and ensure that the purposes of the meeting are accomplished. The President shall annually nominate the Editor of the monthly newsletter (*The Bulletin*), the Web Supervisor of the official website, the Associate Web Supervisor, the Observatory Manager, the Loaner Program Coordinator, the Public Events Coordinator, the Librarian and the Astronomical League Correspondent. The nominations will be ratified by the Board of Directors. The President will be responsible for communication with Indiana University.

(2) The Vice President shall preside in the absence of the President and shall act as Program Coordinator. The Vice president's principal responsibility is to obtain speakers or to develop a specific program for each of the general meetings.

(3) The Secretary shall keep minutes of all Business/Board meetings, initiate such Society correspondence as shall be directed to the Secretary, and ensure that records of the Society's business are maintained in permanent form.

(4) The Treasurer shall be responsible for all monies belonging to the Society. The Treasurer shall collect dues from the members, keep accurate records of all transactions and hold Society funds ready for disbursement at the order of the Board of Directors. The Treasurer shall also maintain insurance documents, file annual corporate papers as may be required by the Indiana Secretary of State, and prepare and submit all required state and federal tax returns. In addition, the Treasurer shall update and maintain membership, Friends of the Society and IAS Astronomical League databases.

(5) There are seven Directors on the Board. They and the officers of the Society are the governing body for the Society.

It is really a lot of fun and doesn't take a lot of time to hold any of the offices. I would like to see more new faces running for office. We have a lot of new blood in the Society and maybe you have ideas that would make it a better place.

The Pres

By Law Revisions

As we did not have a quorum at the last general meeting to approve the new revisions of the By-Laws, we plan to take that vote after the hog roast before going to Bloomington. Bring your copies and questions.

The Pres

The Great World Wide Star Count

Location: Your back yard from October 1-15.

Purpose: This international event encourages everyone to go outside and count the stars they see in certain constellations and report their results online. This event is to increase awareness of light pollution as well as to encourage learning in astronomy. All information needed for the event can be found at the star count web site. All data will be analyzed and a map will be generated highlighting the results of your efforts. For more information go to www.starcount.org. This project is sponsored by the University Corporation for Atmospheric Research.

John Dobson Visits Kentucky

John Dobson will be in Kentucky September 24-30. If you get a chance go to hear one of his lectures.

The Louisville Astronomical Society, the Kentucky State Park System and the Sidewalk Astronomers of America are proud to announce that John Dobson, the inventor of the Dobsonian mount and the Father of Sidewalk Astronomy, will be coming to Louisville September 24-30, 2007 followed by several days at Barkley Lodge in western Kentucky. Public events will begin Tuesday night with a scope workshop at the LAS Urban Astronomy Center at E.P. "Tom" Sawyer State Park and culminate Saturday night with A Mile of Scopes on well-traveled Bardstown Road in the Highlands area of Louisville. Here is the itinerary as of Sunday, August 26. A complete itinerary will be published shortly. We hope all of our fellow amateur astronomers can attend as many of these events as possible.

If you have any questions, contact LAS president Ken Alderson at megacoach@aol.com.

Itinerary:

Monday, September 24 2:39 PM- Arrive Louisville

Tuesday, September 25 7:00 PM - Workshop with the Master. Join John Dobson at the LAS Urban Astronomy Center at E.P. "Tom" Sawyer State Park in Louisville. Located in the Root Cellar building at the back of this urban state park, the LAS Urban Astronomy Center features a Meade 178ED 7" refractor, a Meade 12" Light Bridge, a 10" Meade SCT, several historical dob scopes, a virtual solar system tour on the Starship "Unbridled Spirit", a classroom, restroom, kitchen, computer center, kids activities area, a four acre observing field and parking for fifty cars. Our first four events here have drawn over 500 guests. We are proud that John wants to come to our state to see the UAC and to experience the Kentucky State Park System's commitment to astronomy programs.

Wednesday, September 26 8:00 PM - Southern Indiana Event.

Thursday, September 27 7:00 PM - Lecture at U of L Strickler Hall behind the Planetarium. \$5.00 per person.

Friday, September 28 8:00 PM - Sidewalk Astronomy Event at the UAC at E.P. "Tom" Sawyer State Park.

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Saturday, September 30 9:00 PM - Mile of Scopes on Bardstown Road. The largest sidewalk astronomy event ever as we set up scopes along one mile of a busy Highlands street!

Sunday, October 1

John leaves Louisville and travels to Barkley Lodge. We will publish his itinerary there as we get it.

Clear Skies!

Ken Alderson

LAS President

Cell (502) 939-0324

Illinois Dark Skies Star Party

Several people from the IAS attended the Illinois Dark Skies Star Party. This star party is held at the Jim Edgar Panther Creek State Park in Illinois, which is a very good dark sky sight. (I got a comment a couple of weeks ago about how dark it gets at Link --- that person obviously doesn't get out much!)

There is nothing like being under a sky where the Milky Way goes from horizon to horizon --- where it becomes clumps and sections --- almost three dimensional.



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Doug Sanquetti, John Switzer, Vicki Switzer, Terry Steadham, John Molt, Sandy Wolford, Mike Wolford, Chris Dietz, Thad Hatchett, Dan Mitchell, John Wasmuth, Debbie Mitchell

Sandy managed to observe five more faint galaxies from the Astronomical Leagues ARP list, while I spent a lot of time visiting old friends in Sagittarius. One other item that I always take a look at is the cinnamon roll looking Whirlpool Galaxy or M-51. That is one of my all time favorites! Danny Mitchell braved the early morning hours (5AM (yawn)) and treated himself to an early season session with Orion, a wintertime favorite.

On Thursday and Friday nights, the weather was perfect --- a little bit chilly, but quite nice. The forecast didn't look good for a clear sky on Saturday night so many people left that afternoon. Those of us that somehow managed to get up early enough on Sunday morning, got to see a different kind of treat --- a frosty dawn. It's too bad that along with the Pleiades and Orion comes cold weather.



Frost on the pumpkin --- er scope!

Our focus now shifts to the Twin Lakes Star Party in Kentucky (October 6 – 13 --- yes that is TWO weekends!). Honest --- if you have not been to an observing sight that gets

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darker than it does at Link Observatory, than you have never been to a dark sky sight --- treat yourself!

Remember that I try to keep current links about star parties on my web page --- www.mikewolford.com. Any comments or suggestions about my star parties list are welcome. A new list for 2008 is already in the planning stages!

Mike

The Link to Receive a Face Lift –

In October work is scheduled to begin on some renovations of the Link Observatory. First and most importantly, the primary mirror will be removed from the scope and recoated. IU and the IAS will share the costs of this activity. It is long overdue and we are excited about seeing what a newly recoated mirror will be like. I have been a member for about 15 years and it needed it then. We have plans are to redo the secondary and tertiary mirrors at a later date. Apparently it is very difficult to realign all three mirrors at the same time. IU also is planning to work on the ceilings in the auditorium and in the kitchen. They have plans to fix the windows and the roof parapets and replace the lightning arresting system.

The Board has approved monies to refinish the floors on the observing deck. We have contracted a refinishing company to do the work. That work will be completed the first week in October. We also plan to paint the truss tubes of the scope.

In addition, the Cincinnati Observatory has asked for IU to return the 10” objective and camera from the scope in the back. They had loaned the objective to IU in the ‘40’s. Plans are to evaluate how the IAS can use the back observatory in the future. One thought is to mount a 14” Schmidt-Cassegrain and use it for observing.

While the renovation is going on the observing deck will be closed to the membership and public. The scope will be out of balance and we do not want to see anyone or anything get hurt!!!

Astronomical League

Note: The deadline for joining the Astronomical league for this quarter is October 1. See John Shepherd for further information if you would like to become a new member.

ALCOR OBSERVATIONS

By now you should have received your September 2007 Quarterly issue of *Reflector*. This month I would like to direct your attention to page 19 of this issue which advises that the Astronomical League book store is now on line. Take a few minutes to look at the observing guides listed. These guides are very helpful for those desiring to take up the various observing challenges. These guides include a list of the objects in question, descriptions and, in some cases, photographs. They can be very helpful for planning your observing. Note that you can also purchase logo items at the bookstore.

In addition, the Astronomical League will purchase commercial astronomically related book for you at a 10% discount. This discount does not apply to the observing guides and AL publications mentioned above. You will need to price the book you want then send in the Title, Author and pay the discounted amount.

The use of filters can be of considerable help, particularly if you live in or near a large city. Two, in particular, are very effective for viewing nebula:

The Oxygen III filter blocks all light except for the Oxygen III emission from nebulas. The filter has the effect of darkening the sky thus increasing the contrast between the nebula and the background sky. This filter is available from vendors such as Orion (www.oriontelescopes.com) and Lumicon (www.lumicon.com).

The UHC (Lumicon) or UltraBlock Narrowband (Orion) block all light except for the Hydrogen Beta and Oxygen III emissions from nebula. These filters allow more nebula emission light to reach your eye and have the effect of darkening the background sky. The Hydrogen Beta emission is generally very faint so telescopes with 8 inch and larger objectives are best suited for these filters.

For viewing Galaxies, a sky glow or light pollution suppression filter can be of some help. Galaxies are by nature at extreme distances and very faint, so the larger issue is whether you can dark adapt your eyes sufficiently to see them at a light polluted site. Orion makes a SkyGlow Broadband filter which lets starlight through. Hutech/IDAS makes a LPS (Light Pollution Suppression) filter which is more effective but still limited by your ability to dark adapt. Information on this filter may be seen at: <http://www.sciencecenter.net/hutech/idas/lps.htm>

Increase your observing pleasure by proper preparation beforehand.

Bill Conner ALcor

New Moon Observing and Public Event at McCloud October 12

Our last New Moon event for the year at McCloud is on October 12. We had a great event in September with several members and their scopes and about 50 McCloud visitors. This has become a very successful activity at the park and it is fun. This is also a public event so we need to have scopes available for them to look through. Come out and enjoy the Indiana night skies.

The Pres

NAG Comes to an End for the Season

Well we have completed another year of New Astronomer Group meetings and they were a great success. Thanks to John and Vickie Switzer for running this program. They put a lot of time into this program and deserve your thanks. We will start planning programs for next year soon. If you have any suggestions please let us know.

IU Astro e- Bulletin

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The IU Astronomy Department has started a new 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.

The Kirkwood Observatory

IU's Kirkwood Observatory Open for 2007

IU's historic Kirkwood Observatory has reopened for the 2007 season. The Observatory houses a 12" refractor built by Warner & Swasey in 1901. The f/15 doublet objective lens, designed for work on visual binaries, was made by John Brashear and produces excellent images when the seeing is good. The Observatory was renovated in 2001 and restored to its original condition, including a massive wooden dome. William Kopp, a machinist in the IU Astronomy Department, refurbished the telescope itself. More information about the Observatory is available on the Web at http://www.astro.indiana.edu/kirk_sch.shtml.

The Observatory is open each clear Wednesday night from now through mid-November. The hours are posted on the Web at http://www.astro.indiana.edu/kirk_sch.shtml, and a new "hotline" is available with current information about weather conditions. Call 812 855-7736 to find out if the Observatory will be open before driving to Bloomington.

The Observatory is located in Dunn's Woods, near the southwest corner of the IU campus in Bloomington. A campus map is available on the web at <http://www.iub.edu/~iubmap/>. Parking is available after 5 PM in the IU lot at the southwest corner of Indiana Ave. and 4th Street.

Gadgets and Gizmos

This is a new section to discuss new equipment. If you see something or have a new gadget let me know and we will get an article about it.

Meet Our New Members

The Society wants to welcome each of you and if you have any questions do not hesitate to ask.

Jack Joswick Avon, IN

Seek out new members out and see if you can help them out.

The Pres

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.

Upcoming Star Parties and Registrations

Twin Lakes Star Party Pennyville State Park, Western KY Oct 6-13, 2007
<http://www.wkaa.net/>

Okie-Tex Star Party Camp Billy Joe, OK Oct 6-14
This is supposed to be one of the darkest sites in the US. <http://www.okie-tex.com/>

Eldorado Star Party – Eldorado, Tx (South Central) -October 10-13, 2007

Winter Star Party – Florida Keyes February 4-10, 2008
<http://www.scas.org/wsp.htm> The registration has begun. This is a premier event and sells out quickly. Tickets are usually available later through Astromart.

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

Public Outreach Programs

Gerald Venne is our Public Events Chairman. 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

Digital SLR and Film astrophotographers take note. Vixen R200SS-DG Astrograph for sale. Coma Corrector, Rings, 7 x 50 Finder, custom made Just-Cheney Dew Shield, 2" eyepiece adapter, Direct Wide Field adapter and f/7.5 telextender included. Film images of the Rosette and North American nebula, CCD images of the Helix and Eastern Veil on the IAS photo web site under Bill Conner were taken with this 8 inch f/4 widefield scope. Asking \$1,200 for over \$1,700 of quality equipment listed here.

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Contact Bill at 812-828-0499 for more information

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

Wooden AP case

Encoders

NGC-MAX DSC Computer

\$1995

Contact: Jim Rinehart 317-881-3475 or jrine33@comcast.net

For Sale Omega DII Enlarger S/N: 62112 This is an enlarger that I have used for several years but it hasn't seen much service since I switched to digital photography. It has some dust and dings but is still quite serviceable. I am just trying to find a good home for this fine old enlarger. The Bogen adjustable easel and the developing tank are worth more than the asking price for the whole system.

Features:

6" glass condenser lenses

Filter Carrier with polycontrast filter set from 1 through 4 in 1/2 steps

Negative Carriers: 4x5, 3x4 35mm

Lenses: Beslar 50mm f/3.5, Kodak 51mm f/4.5. Elgeet 127mm f/5.6 [Colorstigmat]

42" high counterweighted column

18" x 27" wooden projection base

Includes:

New Bogen 8" x 10" Adjustable Enlarging Easel

New 4" x 5" Film developing tank

Buyer pays shipping.

Photos available on Astromart at:

http://www.astromart.com/classifieds/details.asp?classified_id=517465

Please let me know if you have any questions.

Donn Starkey

starkey73@mchsi.com

<http://www.starkey.ws>

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

Onions and Orchids

A bouquet of orchids to Tom Borlik for his dedication to the renovation of the Link.

A bouquet of orchids to each of you who helped at McCloud this year. We had a good run with lots of good weather and good turnouts each event. Thanks to each of you as we could not do it without you. See you next year.

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.

Note: The list server is for use of Society business. It can only be used according to the rules as outlined previously. Members abusing the service will be eliminated from the service.

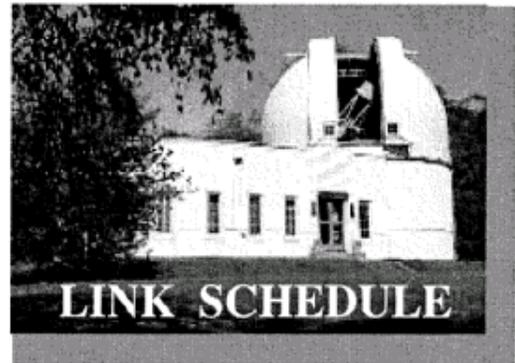
Board Meeting – October 18, 2007 - 7:00 PM

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, but it will be locked. To get into the building, go to the shop Silver in the City. Tell them you are here for the astronomy meeting and go through the back door of the shop into the office building. 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.

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

Link Activities for October:

- October 13 General Meeting - Hog Roast
- October 13 New Moon Observing for those who do not go to Bloomington
- October 20 General observing

McCloud Activities for October:

- October 12 New Moon and public observing event

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 Prairie Grass Observatories for observing call Hoppe at 1-765-296-2753.

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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.

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: Brian Murphy (317) 841-8511

Secretary: Betsy Brown 1-317-872-4050

Treasurer: John Shepherd (317) 862-3442

Board of Directors

Gary Schoppenhorst (2009)

Gerald Venne (2009)

Thad Hatchett (2007)

Doug Brown (2007)

Bill Conner (2007)

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

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Astronomical League Coordinator

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

October Calendar, 2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3 ☾	4	5	6
7	8	9	10	11 ●	12 New Moon at McCloud	13 General Meeting at Link New Moon Observing Field Trip
14	15	16	17	18 Board Meeting	19 ☾	20 General Observing at Link
21	22	23	24	25	26 ○	27 Observing at Link Call to make arrangements
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
- 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 (\$25.00)	
Annual Student Membership (\$10.00)	
Astronomy Magazine Renewal (\$34.00)	
Sky and Telescope Magazine (\$33.00) (New Subscription)	
Astronomical League*	
Total Enclosed	

* If you want to join the Astronomical League please contact John Shepherd ((317) 862-3442) first to determine the amount of prorated dues required.

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.