

April, 2009  
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www.iasindy.org



# The Bulletin

## *2009 International Year of Astronomy*

**The April General Meeting, April 18, 2008 7:00 PM  
Holcomb Observatory**

### **Making Hay with ALFALFA - Properties of Galaxies Discovered in "Blind" HI Surveys**

John Salzer - Indiana University

I will describe results from recent and current observational programs to systematically survey the sky using the 21-cm line of neutral hydrogen (HI) as a tracer. Because these HI-selected surveys find galaxies independently of their optical appearance, they are "unbiased" in the sense that they include large numbers of dwarf and low-surface-brightness galaxies that are historically under represented in traditional optical galaxy catalogs. This in turn leads to a more complete census of galaxies, and a broader understanding of the types of stellar systems found in the universe (that is, we can't think in terms of just ellipticals and spirals anymore). In this talk I will focus on the ALFALFA survey, currently being carried out using the giant Arecibo radio dish, and will also report results from broad-band and narrow-band H-Alpha imaging follow-up studies to link the radio and optical characteristics of the survey constituents.

John Salzer joined the astronomy department at Indiana University in 2007 as a research scientist. He will formally join the teaching faculty as Professor and Chair of the department in July, 2009. Prior to moving to Bloomington, he taught for 16 years at Wesleyan University in Connecticut. He earned his PhD from Michigan, and held post-doc research positions at Arecibo Observatory and Kitt Peak National Observatory.

### **IAS Calendar of Events for April**

April 18 - General Meeting at Holcomb Observatory  
April 21 – Board Meeting  
April 24-26 Observing event at Camp Cullom

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### **Dava Sobel to Speak at Ivy Tech April 18**

Please save the date of Saturday, **April 18** as our Speakers Series will present the celebrated science writer Dava Sobel at Ivy Tech. Dava is the author of the best-selling books *LONGITUDE* and *GALILEO'S DAUGHTER*. She will speak at the Ivy Tech auditorium in a program starting at 3 PM. We are expecting a good response to this program, and I welcome you to let me know by reply message here if you will be planning to attend on April 18.

John J. Cooney, MA, MBA  
Humanities Program Chair  
Ivy Tech Community College-Central Indiana  
50 W. Fall Creek Pkwy, North Dr., NMC 562  
Indianapolis, IN 46208-5752  
(317) 916-7930  
[jcooney@ivytech.edu](mailto:jcooney@ivytech.edu)  
[www.ivytech.edu/indianapolis](http://www.ivytech.edu/indianapolis)

### **WFYI to Broadcast “400 Years of the Telescope” and “Sidewalk Astronomer”**

April 16 (Thursday) WYFI and PBS will broadcast two back to back programs on Astronomy. at 9 P.M. - **400 Years of the Telescope** - narrated by Neil deGrasse & following at 10 P.M. - **A Sidewalk Astronomer** - the story of John Dobson.

### **Dr. Caty Pilachowsky Teaches a Continuing Education Class**

Dr. Caty Pilachowski is teaching a continuing education class that last 3 Thursday nights 7-8:30 starting April 30th. It will be on IU Bloomington campus in classroom that is TBD - probably in Swain Hall. Cost \$55. Call (812)855-9335 or online at [www.continue.indiana.edu](http://www.continue.indiana.edu) under Lifelong Learning. The course description is below.

"2008 was the International Year of Astronomy, celebrating 400 years since Galileo first pointed his newly-invented telescope toward the heavens. His astronomical discoveries about the moon, Venus, Jupiter, and Saturn led to a revolution in scientific thought. Today new visions of the universe are being created by advances in technology. Fundamental questions about the nature of energy and matter, the expanding and accelerating universe, the origins of life here and elsewhere, the formation of the first stars and galaxies, and the existence of solar systems around other stars force us to think again about our place in the universe.

Professor Catherine Pilachowski holds the Daniel Kirkwood Chair in Astronomy at IU. She studies the chemical composition of stars and star clusters in the Milky Way Galaxy to understand the evolution of stars and the chemical enrichment history of the Milky Way."

### **The Board approves two weekend campouts at the Link.**

The Board has designated June 19-21 and August 21-23 as weekend campouts at the Link observatory. Plans are to have forums and help sessions for anyone who needs help with their equipment or observing skills.

### **Indiana Astronomy Day – April 24-26**

Our annual local star party with the WVAS will be the weekend of April 24 at camp Cullum. There is a map on our website. Plan to arrive Friday afternoon and observe the entire weekend if

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you can. The party ends about noon on Sunday. There is no charge. This is an excellent opportunity for our newer members to come out and see what a “star Party” is and to meet other members of the society. During the day on Saturday we will dedicate time to answer specific questions about observing and equipment. If you do not have a scope, come on up and camp and look through other members equipment. There will also be a bunch of scouts there that weekend so we will have an opportunity to teach them about “our” stars.

## **NIAGfest Star Party Returns**

This will be the first year at Astro-Acres for this event. NIAG (the New Indiana Astronomical Group) is a group of amateur astronomers seeking to revive the traditions of NIAGfest that was held at Camp Crossley near North Webster, Indiana for many years. The new NIAGfest will also be a GREATCON, a convention of the Great Lakes Region of the Astronomical League. All of the activities traditional to NIAGfest are being revived in the new event, including astrophoto and telescope making competitions and speakers on the topics of amateur astronomy accomplishments and opportunities to contribute to the science of astronomy.

NIAGfest's dates at the end of April were always dictated more by availability of Camp Crossley facilities than other considerations, such as moon phase or weather. In fact, it snowed on us during the second to last NIAGfest! The 2009 dates are the first good dark of the moon weekend in 2009 that we can count on not being snowed on. It is also coincidentally Memorial Day weekend, affording us the opportunity to have a four day / three night format. Camping attendees of the old NIAGfest will be very favorably impressed by both the observing circumstances at AstroAcres and the ready availability of water, electrical power, and internet access.

There are also a very limited number of small observatories available for use at AstroAcres during NIAGfest. These are 10' x 10' buildings with an 8' diameter dome, and a center pier. These buildings can be used for lodging, each will hold several people, or as personal observatories during NIAGfest. The cost of reserving one of these for the weekend is \$100.00, and the pier can be fitted with an adapter for your telescope mount if you contact us ahead of time.

Online early registration will begin March 1, 2009.

## **Upcoming Star Parties and Registrations**

**Smokey Mountain Stargaze 2009** - Just outside Smokey Mountain National Park - TBD. This is a new party. Should be pretty that time of year.

<http://www.smokymtstargaze.com/index.php>

**Tennessee Spring Star Party 2009** - Fall Creek Falls State Park April 24-26

<http://personal.bna.bellsouth.net/s/p/spsmith/default.htm>

**Mid-South Stargaze** April 22-25 The Observatory is one mile southeast of the Natchez Trace Parkway at French Camp. French Camp is about halfway between Jackson and Tupelo, Mississippi, at Natchez Trace mile marker 181. Mississippi

<http://www.rainwaterobservatory.org/stargaze/index.htm>

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**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](http://www.texasstarparty.org)

**Tennessee Spring Star Party** – April 24-26, 2009

**Indiana Astronomy Day** (IAS/PGO) – April 24-26

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

**NIAGfest/Greatcon**-May 22-25, 2009 Astro Acres Beaver City, IN

<http://www.starparty.info/NIAGfest.html>

**Apollo Rendezvous** – Dayton, Ohio June 12-13,2009 <http://mvas.org>

**Michiana Star Party** – May 29-31 Potawatomi Wildlife Park near Tippecanoe, IN  
Registration forms Ruth Craft2142 Inglewood Pl. South Bend, IN 46616. Registration closes May 22.

**JEPC Star Gazing Event** IL May 21-24 Our requested dates for the 2009 JEP Event has been confirmed! Come and join us for our 2009 Event May 21 – 24, 2009. Go ahead, mark your calendars now!!! As usual, we are only going to charge what the park charges us --- four dollars per person, per night. You simply can't spend less than that on a weekend outing!

<http://www.mikewolford.com/JEPC%20Event.htm>

**Link Campout** – June 19-21 Weekend observing session at the Link Observatory

**Cherry Springs Star Party** Cherry Springs State Park, PA June 18-21, 2009

<http://www.astrohbg.org/s4>

**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/>

**EPOCH 2009** - The 21st Century Midwest Star Party July 21-26, 2009

Beaver City, Indiana. This is a new star party put on by 20-20 Telescopes.

<http://www.2020telescopes.com/EPOCH2007.html>

**Indiana Family Star Party** Camp Cullum, Frankfort, IN July 23-26, 2009

<http://jmmahony.home.insightbb.com/pgo/starparty/>

**Link Campout** August 21-23 observing session at the Link Observatory

**Black Forest Star Party** PA September 18-20, 2009

<http://www.bfsp.org/starparty/>

**Okie-Tex Star Party** – **September 12-20**. This is reported as one of the darkest sites in the US. It is a great deep sky event.

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**Prairie Skies Star Party** – September 19-20 Kankakee, IL

**Heart of America Star Party MO**      October 15-18, 2009

<http://www.hoasp.org/>

**Twin Lakes Star Party** – October 15-18, 2009

This is an excellent star party located in western Kentucky. One not to miss  
If you know of events coming up let me know and I will get them in the Bulletin

## **ALCor Observations by Bill Conner**

### **The Astronomical League Globular Cluster Observing Club**

The purpose of this observing club is to introduce you to some of the finest globular clusters in and around our galaxy. This program is more than just observing globular clusters and recording your observations. You are to apply a concentration classification to each globular cluster you observe. By doing this, you will be repeating what the famous British astronomer William Herschel did in the late 18<sup>th</sup> century, and has since been repeated by many other professional astronomers.

This concentration classification is called the Shapley-Sawyer Concentration Class. The observing guide provides reference pictures of globular clusters and their concentration class, along with an explanation of how to determine the concentration class of each globular you observe by using these pictures.

You will need to purchase *the Guide to the Globular Cluster Observing Club* from the Astronomical League bookstore. It is specifically written to support this observing club. This observing guide explains in great detail the Regular and Challenge Observing Lists. Included in these lists are the RA, Declination and accurate magnitudes of 190 galactic and extra-galactic Globular Clusters along with reference page numbers for both sets of Uranometria 2000.0 star atlases.

This observing guide is different from other Astronomical League publications with respect of its content. Most amateurs have access to pictures of these globular clusters as well as programs that can print detailed finder charts for these objects. This observing guide instead includes the most up-to-date information about each of the 190 globular clusters, including information about their discovery and by whom, and other interesting facts about these objects.

#### **Rules and Regulations**

The goal of this club is to get you to observe and compare globular clusters, and to that end, you can use manual (finder scopes and star hopping techniques), digital setting circles or any other computer aided GOTO systems. This is a visual observing club, hence, observations must be done by the observer, on location at their favorite observing site(s) and with equipment that is local to the observing site (your own telescope or assets of your astronomy club, including a loaner or observatory telescope. Most any telescope will do, however, an 8 inch scope may be required if the site has significant light pollution.

For the Astronomical League's Globular Cluster Observing Club, the observer is required to observe 50 globular clusters, with at least 1 globular cluster from the Challenge List. This

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program is completely customizable to the observer's interests and their equipment. The observer chooses just 50 globulars they are interested in observing from the list of 190 globular clusters listed in the observing guide.

Since comparison is a principal goal of this program, if possible, all observations should be done with the same telescope. It is recommended that one eyepiece (power of magnification) be chosen for consistency, one that at least shows all of M13 in the field of view. If multiple telescopes are used to observe the globular clusters you have selected for your program, try to use the same power of magnification that is consistent with each telescope.

To receive your Globular Cluster Certificate and Award Pin, turn in your logs to the Astronomical League Awards Coordinator or an officer of the Society for processing.

## Observer's Corner

### Link Activities for April:

None planned

### McCloud Activities for April–

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.

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.

## Membership Status

The following changes in membership took place in March: Current Membership Total is 146

**Renewals:** 5

New student members:  
Calvin Summer Carmel, IN

New Member:  
Bill Holmes Carmel, IN

Inactive Status: 4 members (letters have been sent)

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### **IAS LIBRARY:**

The complete list can be found (<http://www.iasindy.org/memonly/iasfiles.php>, which is password protected). If you have comments or questions about the library please contact Greg McCauley at 317 663-3289 or [greg@ultrasoundconsulting.net](mailto:greg@ultrasoundconsulting.net).

### **IU Kirkwood Observatory**

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

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

### **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](mailto:KB9SRB@hotmail.com) or Thad Hatchett at [astronomynut@sbcglobal.net](mailto: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.

### **Do you have a question or need?**

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

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

William Conner ([wmtconner@sbcglobal.net](mailto:wmtconner@sbcglobal.net)) - for CCD imaging and film photography.  
Jeff Patterson ([KB9SRB@Hotmail.com](mailto:KB9SRB@Hotmail.com)) – Observatories design and construction

### **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.

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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.

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

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

### **Astro Ads**

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

#### **To place an ad, contact:**

Bulletin Editor  
Jeff Patterson  
1780 S. Morgantown Rd.  
Greenwood, IN 46143  
(317) 300-0449  
E-Mail: [KB9SRB@Hotmail.com](mailto:KB9SRB@Hotmail.com)

#### **For Sale - Tele Vue 101**

Has the Tele Vue Duel Speed Focus Mechanism , Starbeam Sight W/Flip Mirror, 2" EverBright Diagonal, Clamshell Ring, and Tele Vue Hard Case, Gibraltar Ash Tripod with Tele Pod Head and Eyepiece Caddy. Tripod is like new, you have to look hard to find a scratch on the wood The tube and accessories look like new, the lens is scratch free, but does have a bit of dust . I have never cleaned it. The Case's foam has been cut a bit for different mounting plates, but still holds the scope securely in place.  
All the items listed for \$2700 OBO. I will break it up as long as the OTA goes first. Will drive half way to deliver

Dan Mitchell  
309 531 8510

**FOR SALE:** Orion 80mm f/5 achromat refractor spotting scope. Original owner since 2005. Scope comes with 6x26 finder scope with bracket, 90 degree correct view diagonal, 25mm Plossel eyepiece (16x), Celestron solar filter, Celestron lunar filter, horseshoe mount. Scope can be mounted on camera tripod, alt-azimuth mount, or equatorial mount. Scope has excellent wide field of view (5 degrees) and shows bright images. Although aperture is small, it is large enough to do very serious observations. This scope has seen the following:

Scope and all parts are in good condition. Asking \$95 OBO.

Call Mark Bradbury at 317-888-9553 or send an e-mail to Mark at [capella42@gmail.com](mailto:capella42@gmail.com)



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

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

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

**For Sale - Lots of astronomy equipment**

14" LX-200 GPS-SMT w/UHTC ,Peterson EZ Clutch & Buck's Gears.  
Meade 14" Superwedge 07007  
Meade DC Cord ETX/LXD/GPS 07043  
14" AstroZap Dewcap  
Meade 12mm MA rect w/cord 07065  
Mead Giant Tripod, black 42-0100-03  
Meade f3.3 CCD reducer 07567  
Orion O-III Filter 1.25" 05581  
Meade E/P, SP 26mm 1.25" Eyecup 07175-02  
Meade 930: 2" Diagonal mirror UHTC 07223  
Meade V/F, #554 8X50, Blue 8/10SC  
Meade Focuser, Zero Image Shift 37-7280-00  
Meade LPI, AutoStar Suite  
Meade DSI, AutoStar Suite  
2 ea. Meade DSI-Pro-II AutoStar Suite w/RGB Filters  
Astronomical Image Processing Tutorials by Donald Waid  
A Beginner's Guide to the Meade LX200GPS by Astrodeude  
Moon Atlas CD  
Edmund Scientific Astroscan Telescope 4 1/4" Dia., 4 1/8" (105mm) f/4.2, 17 1/2" (445mm) F.L.  
parabolic, 1/8 wave, borosilicate, aluminized and overcoated  
Edmund Scientific 28mm 1.25" Eye Piece  
Note: AutoStar Suite Version 3.0 w/Drizzle is available on LPI, DSI & DSI Pro-II.

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If interested call Bob Westwater at 317.332.9471

### **Onions and Orchids**

Thanks to Doug Brown and Tom Borlik for installing new veneer on the front doors of the Link. The door is looking much better.

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

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

### **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 – Board Meeting April 21, 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 entrance to the building is to the left of Starbucks around on the side. We meet in the basement. Ride the elevator (around the corner to your left) to the basement. Turn right as you exit the elevator and go through the first door on your right. This is the conference/meeting room. If you need further assistance, please contact Brian P. Murphy on his cell phone 716-8124 or Jeff Patterson 317 506-0325.

## General Meeting Dates 2008 and 2009

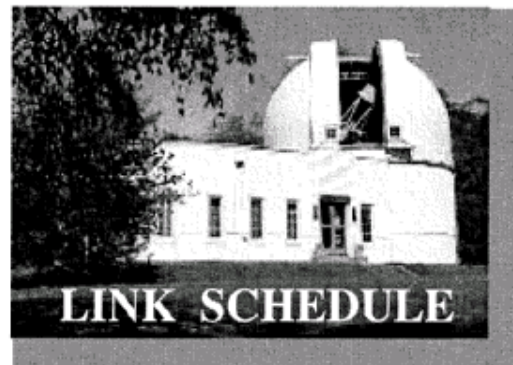
December 20 Christmas Party at Holcomb Observatory

	<b>NAG</b>	<b>General</b>	<b>Board</b>
January		17-Jan	19-Jan
February		14-Feb	17-Feb
March		14-Mar	17-Mar
April		18-Apr	21-Apr
May	2-May 30- May	16-May	19-May
June	27-Jun	13-Jun	16-Jun
July	25-Jul	11-Jul	14-Jul
August	22-Aug	8-Aug	11-Aug
September	26-Sep	12-Sep	15-Sep
October		10-Oct	13-Oct
November		7-Nov	10-Nov
December		12-Dec	15-Dec

### Goethe Link Observatory Observatory Address

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

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



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

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

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

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

Please submit to

The Indiana Astronomical Society, Inc

Jeff Patterson, editor

1780 S. Morgantown Rd

Greenwood, IN 46143

Phone: (317) 300-0449

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

*Membership information*

Contact any IAS officer or the Treasurer

John Shepherd (317) 862-3442

*Link Observatory*

Latitude: 39 degrees, 33 minutes north

Longitude: 86 degrees, 24 minutes west

Phone: (317) 831-0668

IAS Internet address

<http://www.iasindy.org>

**Executive Officers**

President: Jeff Patterson (317) 300-0449

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

Secretary: Betsy Brown 1-317-872-4050

Treasurer: John Shepherd (317) 862-3442

**Board of Directors**

Gary Schoppenhorst (2009)

Gerald Venne (2009)

Tom Borlik (2010)

John Switzer (2010)

Ron Burgess (2010)

Greg McCauley (2011)

John Molt (2011)

**Public Event Coordinator**

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

**Library Committee Coordinator**

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

**Astronomical League Coordinator**

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

**Membership Coordinator**

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

### April Calendar, 2009

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

## 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.

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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.

The Bulletin – The monthly publication of the Indiana Astronomical Society

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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

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.