

June, 2009  
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www.iasindy.org



# The Bulletin

## *2009 International Year of Astronomy*

**The June General Meeting, June 13 7:00 PM  
The Goethe Link Observatory**

**"Astro2010 - Deciding the Future of Astronomy"  
Dr. Caty Pilachowski**

Every ten years since the 1960s, the astronomical community undertakes a comprehensive look at where it is and where it's going. The process is happening again this year, setting priorities for the next decade of astronomical projects and space missions. Hundreds of astronomers are involved in panels, study groups, and committees, and hundreds more have written special "white paper" reports on issues of concern and relevance. The whole process will culminate next year in the release of a report and recommendations that will guide decisions about astronomy at the National Science Foundation, NASA, and the Department of Energy.

Caty Pilachowski has been on the faculty at IU since 2001, holding the Daniel Kirkwood Chair in Astronomy. Since 2005, she has served as chair of the Astronomy Department, too, but this summer she is taking on a new role as Associate Dean for Graduate Education in the College of Arts and Sciences. The College offers 40 Ph.D. programs and more than 70 master's programs, with enrollment of 2900 graduate students. Caty will continue to work with research students in astronomy and continue to support public programs in astronomy, as well.

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### **IAS Calendar of Events for June**

June 13 - General Meeting at Link Observatory observing after words weather permitting  
June 16 – Board Meeting  
June 19-21 Campout and observing at Link  
June 27 – NAG at McCloud

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### **June 19-21 Campout and Observing at Link**

There is a two night observing event scheduled for the Link. Gates will open at 5PM on Friday. The observatory will remain open through out the weekend. You can camp out back or sleep on the floor in the observatory. In case of inclement weather on Friday night, the event may be

canceled and tried again on Saturday. During the day on Saturday you can work on your scope or work through problems that you are having or others are experiencing.

The Pres

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**New Astronomers Group Meeting  
McCloud Nature Park**

**7:30 pm – Saturday, June 27, 2009**

The next monthly meeting of the Indiana Astronomical Society's **New Astronomers Group** for 2009 will be held on **Saturday, June 27 at McCloud Nature Park starting at 7:30 pm**. Weather permitting there will be an observing session using IAS member's telescopes and binoculars following the meeting.

**THE NAG MEETING WILL BE HELD - RAIN OR SHINE.**

Discussion topics for this month:

- Observing the July Evening Sky
- Reading a Star Chart
- The Summer Pointer Stars
- Dabbling in the Dippers
- The Summer Triangle
- Our Solar System
- The June Deep Sky
  - M4 – Globular Cluster
  - M6 – Open Cluster
  - M7 – Open Cluster
  - M11 – Open Cluster
  - M13 – Globular Cluster
  - M57 – Planetary Nebula
- The Beginners Year Around Observing List
- A Beginners Introduction to the Telescope
- Question and Answer Session

The purpose and intent of the NAG is to introduce new astronomers to observing the night sky. All types of observing will be discussed including naked eye, binocular and telescope.

If the weather cooperates, following the meeting, IAS members will have telescopes set up and attendees will have an opportunity to view some of the night sky objects discussed during the meeting.

The night sky can be an intimidating place. With a little help everyone can enjoy the celestial beauty that we have all taken for granted our whole lives. From the constellations to the deep sky; with the naked eye or with a telescope, there is something for everyone to enjoy.

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## **Minor Changes to the By Laws of the Society**

The Board has approved some minor changes to the By Laws of the Society and the new revision will be voted on by the general membership at our June 13 General Meeting. Below please find a copy of the new revision.

### **INDIANA ASTRONOMICAL SOCIETY, INCORPORATED** **BYLAWS**

#### **PREAMBLE**

The Indiana Astronomical Society, incorporated under the laws of the State of Indiana as a not-for-profit/tax exempt corporation, has for its purpose, the advancement of amateur astronomy.

The bylaws, herein set forth, are to serve the purpose of regulating and coordinating the functions of the Indiana Astronomical Society, Incorporated, as defined by its Articles of Incorporation.

#### **ARTICLE I** **MEMBERSHIP**

(1) Membership shall be open to persons interested in promoting the purposes set forth in the preamble to these bylaws. The Board of Directors shall have the right to refuse membership to any applicant for due cause, provided that such refusal shall be by a majority vote of the Board of Directors at any regular board meeting at which there is a quorum.

(2) No person shall be refused membership by reason of race, religion, sex or ethnic origin.

- (3) Membership shall be classified as follows:
- (a) Regular
  - (b) Student
  - (c) Member Emeritus
  - (d) Friend of the Society

(4) Regular Membership: A Regular Membership shall be defined as any individual, inclusive of their spouse and immediate family, who pays the annual membership fee as determined by the Board of Directors per Article IV, paragraph 1. This entitles the member to receive the monthly newsletter (*The Bulletin*), use of the IAS website “members only section,” and one vote each to the individual and their spouse in

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conducting Society business. The member and their spouse are eligible to run for Society offices.

(5) Student Membership: A Student Member is one who is currently enrolled in high school or college. A student membership entitles the student to participate in Society functions and receive *The Bulletin*. The student cannot hold Society offices but may cast a vote in Society business.

(6) Member Emeritus: A Member Emeritus is a member so honored by the Board. They are entitled to all member privileges with payment of dues waived.

(7) Friend of the Society: A Friend of the Society is an individual or organization so designated by the Board. They are entitled to participate in Society functions and receive *The Bulletin* but may not vote or hold office. Dues are not assessed. These persons or organizations can include, but are not limited to, other astronomical societies, libraries, schools, planetariums, and individuals who have contributed to the Society.

(8) An application for membership shall be complete upon payment of dues.

## **ARTICLE II DIRECTORS AND EXECUTIVE OFFICERS**

(1) Except as provided by these bylaws or required by law, the entire control of the Society and its affairs shall be vested in the Board of Directors.

(2) The Board of Directors shall consist of seven (7) members elected from and by the membership at large. In addition, each Executive Officer shall be a voting member of the Board during their terms of office. In the event of a tie vote upon any matter, the President of the Society shall cast a second vote to break the tie.

(3) The age requirement for members of the Board of Directors and Executive Officers shall be 18 years or older.

(4) A member of the Board of Directors or an Executive Officer may be re-elected after their term of office expires.

(5) If a vacancy occurs in any office for any reason, including failure to attend meetings, the Board of Directors shall elect a member of the Society to fill the unexpired term of the vacant office. Failure by a

Director to attend six (6) meetings of the Board of Directors during any twelve (12) month period may constitute a vacancy at the discretion of the Board.

(6) At each December meeting, here designated as the "Annual Meeting," the Directors shall be elected by the membership to succeed those whose terms expire.

(7) The Executive Officers of the Society shall be President, Vice President, Secretary, and Treasurer, all of whom shall be elected by written ballot or voice vote at the Annual Meeting. The term of office for the executive officers will be for one year starting January 1st of the next year.

(8) No person shall hold more than one Executive Office at a time.

(9) Members of the Board of Directors shall hold office for three years. Their terms shall be staggered so that two directors are elected at each annual meeting, with the exception of a year in which a third director is to be elected.

(10) 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 Equipment Loan Program Coordinator, the Public Events Coordinator, the Librarian, the Membership Coordinator, 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. The President is responsible for filing all corporation and tax returns as required by the State of Indiana.

(11) 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.

(12) The Board of Directors shall compile and approve an annual inventory report showing the whole amount of real and personal property owned by the Society. The report shall be presented to the President at the January Board meeting. The Secretary shall file the report with the Society's records.

(13) 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.

(14) The Treasurer shall be responsible for all monies belonging to the Society. The Treasurer shall 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 and prepare and submit all required state and federal tax returns.

(15) The Board of Directors and Executive Officers shall establish official Standard Operating Procedures (SOPS) for operation of the Link Observatory, to clarify the requirements of these bylaws, detail agreements between the Society and other parties and to comply with any city, state, or federal rules or regulations. These procedures may be altered by the Board of Directors without a general members' vote. Such operating procedures shall be filed with the Society's records and shall be posted where deemed appropriate.

(16) The Observatory Manager shall be responsible for routine management of the Link Observatory. The Observatory Manager shall maintain an inventory of the IAS property at the observatory and schedule the use of the Link Observatory facilities. It is the Observatory Manager's responsibility to notify the President of any situation at the Link Observatory that requires the attention of Indiana University. The Observatory Manager is responsible for the security of the keys he holds for the Society, accounting for all keys issued to the Society, reporting of the status of the keys to the Board and issuance of keys in accordance with the directions of the Board.

(17) The Editor of *The Bulletin* shall be responsible for publishing the monthly newsletter. The electronic copy is to be transferred to the Web Supervisor for placement on the website. The Editor of *The Bulletin* shall be responsible for printing and mailing copies of *The Bulletin* to members who have designated that they prefer "hard copies" and to Friends of the Society. It is the Editor's responsibility to maintain a high level of excellence in *The Bulletin*.

(18) The Web Supervisor shall be responsible for the operation and maintenance of the IAS website at the highest level of excellence. The Associate Web Supervisor shall assist the Web-Supervisor in their duties and know the system well enough to act as Web-Supervisor if needed.

(19) The Librarian shall be responsible for the Society's library including the maintenance of an inventory of all media, and check in/out



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records for the Society. The Librarian shall be responsible for recommendations to the Board for additional media.

(20) The Equipment Loan Program Coordinator shall be responsible for maintaining the loaner equipment and overseeing loan activities.

(21) The Public Events Coordinator is responsible for evaluating, scheduling and coordinating events requested by public and private institutions and individuals.

(22) The Astronomical League Correspondent (ALCor) shall serve as the Society's contact person for Astronomical League matters. The ALCor will coordinate with the Membership Coordinator to ensure that membership rosters are sent to the League in accordance with Astronomical League procedures. The ALCor is also responsible for communicating League benefits and programs to the Society's members.

As a collateral duty, the ALCor shall serve as the Society's Awards Coordinator (AC) for the League. The Awards Coordinator will carry out these duties in accordance with directives from the Astronomical League National Observation Program Coordinator.

(23) The Membership Coordinator shall collect dues from the members, keep accurate records of all transactions and transfer these funds to the Treasurer. The Membership Coordinator shall update and maintain Membership, Inactive membership and IAS Astronomical League databases. Each month the Membership Coordinator will send Notices of Pending Membership Expiration and Notices of Membership Expiration. In addition, the Membership Coordinator will send letters of welcome and introduction to all new members upon receipt of the application and dues.

### **ARTICLE III MEETINGS**

(1) Members of the Board of Directors and Executive Officers shall be elected at the Society's Annual Meeting held in December.

(2) Society meetings shall be held each month and shall be open to the public.

(3) Notice of all Society meetings shall be published before the date of such meeting, and shall state the time, place, and purpose thereof.

(4) Ten (10) percent or 20 members of the Society, whichever is greater, shall constitute a quorum at general meetings. Only those members present shall be allowed to vote. Votes by proxy will not be

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recognized. With the exception of the annual election of officers, no vote by absentee ballot shall be recognized.

(5) Five (5) voting members of the Board of Directors shall constitute a quorum.

(6) Special meetings of the Board of Directors may be called at any time by the President or by any three (3) Directors upon at least two (2) days personal notice to each Director.

(7) The order of business at the Society's Board meetings shall be as follows:

- (a) Call to order
- (b) Reading of the past meeting's minutes
- (c) Reports of Officers and Directors
- (d) Reports of committees
- (e) Old Business
- (f) New Business
- (g) Adjournment

(8) The order of business at the Society's general meeting shall be as follows:

- (a) Call to order
- (b) Recognition of members and guests
- (c) Reports and announcements of pertinent Society activities
- (d) Program
- (e) Adjournment

#### **ARTICLE IV FINANCES AND DUES**

(1) Annual membership dues shall be determined by the Board of Directors.

(2) Funds of the Society shall be deposited or kept with a bank or trust company doing business in the State of Indiana. Said funds shall be disbursed upon the order or orders of Society officers as may be prescribed by the Board of Directors.

(3) No officer shall receive, directly or indirectly, any salary, compensation, or fee from the Society. The Society may, however, pay compensation to employees or agents who are not officers or members of the Board of Directors.



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(4) The chairperson of any special committee shall file a written budget proposal with the Board of Directors if funding is required.

(5) The Board of Directors shall appoint three members of the Society, other than the Executive Officers, to act as auditors. The auditors shall examine the Society's financial records and express their opinion thereon, furnishing copies of such opinion to the President, Treasurer and Board of Directors at the January Board meeting.

## **ARTICLE V ELECTIONS**

(1) The Board of Directors shall, at its September meeting, appoint a Nominations Committee consisting of three members of the Society and specify its chairperson.

(2) The Nominations Committee shall, by majority vote, make nominations for the offices to be filled. The report shall be presented to the Board at its November meeting.

(3) The Nominations Committee report shall be published in the December issue of *The Bulletin*.

(4) Additional nominations may be made from the floor by any member in good standing at the time of the election.

(5) All nominees must agree to serve prior to the election.

(6) Offices shall be filled by majority vote of the membership 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.

## **ARTICLE VI COMMITTEES**

(1) The Board of Directors may create special or temporary committees at any time.

## **ARTICLE VII RULES OF PROCEDURE**

(1) The rules of procedure at meetings of the members shall be according to Roberts' Rules of Order, Revised, so far as applicable and when not inconsistent with these bylaws.

## ARTICLE VIII AMENDMENT

(1) These bylaws may be amended by a 2/3 majority vote of the members present at any regular meeting of the Society, provided that a quorum is present, the amendment has been submitted by a member in writing at a previous meeting and published in *The Bulletin* preceding the meeting where it is to be voted upon.

## ARTICLE IX DISSOLUTION

(1) Upon dissolution of the Indiana Astronomical Society, Incorporated, the assets of the Society shall be distributed for one (1) or more exempt purposes within the meaning of Section 501 (c) (3) of the Internal Revenue Code, or corresponding section of any future federal tax code. Any such assets not so disposed of shall be distributed to the State of Indiana or the City of Indianapolis, Indiana, for a public purpose, as may be required by law or tax statute.

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## Upcoming Star Parties and Registrations

**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 14-16 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

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## **ALCor Observations by Bill Conner**

### **Deep Sky Binocular Club**

The Deep Sky Binocular Club is a list of sixty selected non-Messier objects, and it picks up where the Binocular Messier Club leaves off. The purpose of the Deep Sky Binocular Club is not to put your observing skills to the test by including the toughest objects observable with binoculars, but to allow you to observe and enjoy sixty of the most beautiful objects in the heavens that were discovered by astronomers other than Charles Messier.

I recommend that you complete your Binocular Messier Certificate before going for the Deep Sky Certificate since the Messier objects are relatively bright and there are many observing aids to help you find them. Even though the sixty objects in the Deep Sky Club are the best objects for small binoculars, it doesn't mean that they are all easy to see. For some of the objects, you will have to go to a good dark sky site, on a clear night with good seeing, and then observe those objects at the meridian for best results. All objects in the Deep Sky Club were observed with reasonably priced 7X50 binoculars. No object on the list is below minus 35 degrees declination, which is the declination of the "Teapot" in Sagittarius.

To qualify for the Astronomical League's Deep Sky Binocular Certificate and award pin, you need only to observe the sixty selected objects using only binoculars. Any pair of binoculars may be used, but those with objectives between 50mm and 80mm in diameter are recommended. To record your observations, you may use log sheets similar to those found in the back of the Astronomical League's manual *Observe: A Guide to the Messier Objects*.

To obtain an award you must observe the following rules:

**Rule 1:** Observe the 60 deep sky objects with binoculars and keep a record of your observations. Your notes must show:

- a. The object;
- b. Date of observation;
- c. Time of observation;
- d. Seeing conditions;
- e. Type of binocular;
- f. A short note describing your observation of the object.

**Rule 2:** Submit your observations to the AL Awards Coordinator or an Officer of the Society for review.

## Observer's Corner

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

The Board has designated June 19-21 and August 14-16 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.

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### **Link Activities for June:**

General Meeting June 13

Campout and observing weekend June 19-21

### **McCloud Activities for May–**

NAG June 27

### **Observing Activities**

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

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

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

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

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### **Membership Status**

Howard Bower of McCordsville, IN is a new member

We want to welcome our new members. Help them transition to viable members

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### **IAS Name Tags**

When I was researching prices for a sign for one of IAS's telescopes, I noticed that the sign store had some rather attractive name plates, so I had two done using our logo - there are two sizes available - same price for each - the only variable is the method of attachment. It's \$5 for a pin-type badge or \$6 for a magnetized one. If I get at least ten orders, I'll proceed. Just send a check payable to TOM BORLIK. Sorry, this does NOT include mail order, but I could do that for \$2 additional if enough people complain! These badges are neat for star parties or other public events like presentations given at schools. And, no, they don't glow in the dark.

If interested, let me know by email, but I'll hold off ordering until I get ten orders. I would deliver them during our General Meetings - next month, starting at Goethe Link Observatory.

### **IAS LIBRARY:**

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

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### **IU Kirkwood Observatory**

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

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

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### **Easy Listening:**

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

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### **Mentor Program**

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

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

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

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

William Conner ([wmtconner@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

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## Public Outreach Programs

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

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

To schedule a public event contact Gerald Venne 1 317 826-2680 or Jeff Patterson at 1-317 882-8055.

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

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

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## Astro Ads

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

### To place an ad, contact:

Bulletin Editor

Jeff Patterson

1780 S. Morgantown Rd.

Greenwood, IN 46143

(317) 300-0449

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

**For Sale** 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  
All the items listed for \$400 OBO.

Dan Mitchell

309 531 8510

**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)



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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 Kleinhans, [Starman@iupui.edu](mailto:Starman@iupui.edu) or 317-290-1689 (cell).

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

**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.

If interested call Bob Westwater at 317.332.9471

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**Onions and Orchids**

A special thanks to Greg McCauley for developing the Multi-Media Library.

## **The Equipment Loan Program**

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

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

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

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

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

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

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## **Board Meeting – Board Meeting June 16, 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.

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## General Meeting Dates 2008 and 2009

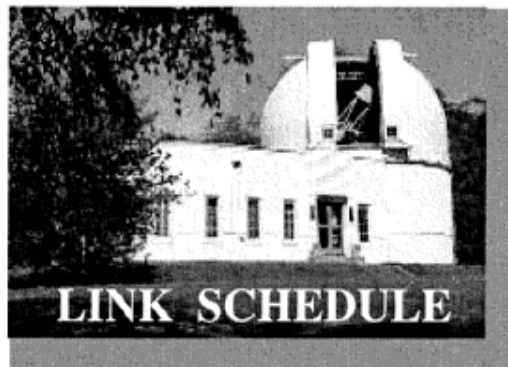
December 20 Christmas Party at Holcomb Observatory

	<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.*

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### Bulletin Stats

#### Accessing the Bulletin

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

The Bulletin – The monthly publication of the Indiana Astronomical Society

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

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

Please submit to

The Indiana Astronomical Society, Inc

Jeff Patterson, editor

1780 S. Morgantown Rd

Greenwood, IN 46143

Phone: (317) 300-0449

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

*Membership information*

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

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

*Link Observatory*

Latitude: 39 degrees, 33 minutes north

Longitude: 86 degrees, 24 minutes west

Phone: (317) 831-0668

IAS Internet address

<http://www.iasindy.org>

**Executive Officers**

President: Jeff Patterson (317) 300-0449

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

Secretary: Betsy Brown 1-317-872-4050

Treasurer: John Shepherd (317) 862-3442

**Board of Directors**

Gary Schoppenhorst (2009)

Gerald Venne (2009)

Tom Borlik (2010)

John Switzer (2010)

Ron Burgess (2010)

Greg McCauley (2011)

John Molt (2011)

**Public Event Coordinator**

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

**Library Committee Coordinator**

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

**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

### June Calendar, 2009

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

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.



The Bulletin – The monthly publication of the Indiana Astronomical Society

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

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.