

FRIDAY, AUG 20

12:00	REGISTRATION OPENS
1:00-6:00	CCD IMAGING WORKSHOP ST6 CCD IMAGING - <i>Jack Newton</i> MY CCD OBSERVATORY - <i>Paul Boltwood</i> USING THE ST4 FOR AUTOGUIDING - <i>Charles Sinsofsky</i> MAXIMUM ENTROPY - <i>Doug George</i> THE ST4 EXPERIENCE - <i>Rick McWatters</i>
8:00-10:00	ASTRO-RAP: INFORMAL TALKS AND SLIDES
10:00 -	OBSERVING SESSION
11:00 -	RED LIGHT CAFÉ OPENS

SATURDAY, AUG 21

9:00 REGISTRATION OPENS

MORNING TALKS

10:00	OPENING REMARKS
10:10	GIANT EYEPIECES THAT SWALLOW SPACECRAFT - <i>Al Nagler</i>
11:00	USING PHOTO CD TO DISPLAY AND PROCESS ASTROPHOTOGRAPHS - <i>Andreas Gada</i> - <i>Bob Sandness</i>
11:30	ASTROPHOTOGRAPHY FOR BEGINNERS - <i>Mark Coco</i>
12:00	WHY YOU'LL WANT TO GET INTO INTERFEROMETRY - <i>Peter Ceravolo</i>
12:30	LUNCH COMMERCIAL DISPLAYS OPEN AMATEUR TELESCOPE MAKERS EXPOSITION OPENS AFTERNOON TALKS
1:30	MAXWELL'S SILVER HAMMERS: A COMET TO REMEMBER - <i>David Levy</i>
2:30	DEEP SKY OBSERVING PANEL DISCUSSION - <i>Terence Dickinson, Moderator</i> - <i>Grant Dixon, Alan Dyer, Bryce Heartwell, Jerry Spevak</i>
3:30 - 5:30	SWAP TABLE
6:00	DINNER, SERVED IN THE TENT COMMERCIAL DISPLAYS CLOSE

TWILIGHT PROGRAM

7:45	OPENING REMARKS DOOR PRIZE DRAWS ASTROPHOTOGRAPHY AWARD PRESENTATIONS
8:30	COLD CAMERA ASTROPHOTOGRAPHY AND COLOUR CCD IMAGING - <i>Jack Newton</i>
9:30 -	OBSERVING SESSION
11:00 -	RED LIGHT CAFÉ OPENS

SUNDAY, AUGUST 22

10:00-11:00 TELESCOPE MAKERS
ASSOCIATION MEETING

WHAT'S NEW AT STARFEST '93

CCD IMAGING WORKSHOP The CCD Imaging Workshop offers a new dimension to the STARFEST experience. For the first time, a full program for CCD imaging enthusiasts will be held as part of STARFEST. The workshop will run from 1 pm to 6 pm. on Friday, August 20. The topics range from advanced imaging to beginner's topics.

To get the most from the workshop, all participants are urged to have a basic understanding of CCD imaging. This can be obtained by reading one of the following books: 1. "Choosing and Using a CCD Camera" - Richard Berry 2. "Introduction to Astronomical Image Processing" - Richard Berry 3. "CCD Astronomy: Construction and Use of a CCD Camera" - Christian Buil.

TELESCOPE MAKERS EXPOSITION Calling all ATMs -- STARFEST's first telescope makers exposition! Bring your homemade scopes and accessories to STARFEST and show them off, even if they have been in your closet for years. Modifications to commercial scopes are also welcome. Come talk about your ideas - perhaps pick up a few suggestions. The exposition will be held on Saturday from 12:30pm to 3:00pm just west of the tent.

TELESCOPE MAKERS ASSOCIATION MEETING On Sunday August 22 at 10:00 am, a meeting of the Telescope Makers Association will be held in the recreation hall west of the tent. Everyone is welcome.

RED LIGHT CAFÉ The Red Light Café's friendly atmosphere provides a place to get warmed up and chat with friends over a cup of coffee and donuts. The Café, located on the second floor of the recreation hall, will be open all night on Friday and Saturday. Coffee and donuts will be available on a pay as you go basis. The hall has a piano, so bring your guitar or other musical instruments and join us for a home-spun sing along.

SPECIAL ACTIVITIES

SWAP TABLE Participants will have the opportunity to buy, sell or trade astronomical articles. This table is not for commercial sales. Individuals will be responsible for their own property at the table. The swap table is located in the picnic shelter southwest of the big tent.

ASTRO-RAP On Friday night you are invited to join us in the tent to rap about astrophotography and astronomy in general. Bring your slides (good or bad it doesn't matter) and share your adventures with others.

OBSERVING SESSIONS Bring your telescope and binoculars, and join us for our evening observing sessions.

COMMERCIAL EXHIBITS Astronomical dealers will be on hand to show and demonstrate all the latest from the world of astronomy. If there is something that you've been thinking of adding to your observing equipment and want to examine or possibly test under actual observing conditions, this is your golden opportunity. Commercial displays are located in the recreation hall located west of the tent and at select campsites directly north of the tent.

FEATURE SPEAKERS

Al Nagler (*Giant Eyepieces That Swallow Spacecraft*), the president and founder of Tele Vue, joins us for STARFEST as this year's featured manufacturer. Al honed his optical design skills over a period of years in the space industry, culminating in the fabrication of a 110 degree lunar landing visual simulator for the Apollo program. This interesting wide field design translated into the "space walk" imagery of the famed Nagler series of eyepieces. Al will give us some insight into his family-owned and operated business that has brought a succession of innovative designs to market, including the Genesis refractor, and the more recent longer focal length Panoptic design.

Jack Newton (*CCD Imaging Workshop, Cold Camera Astrophotography and Colour CCD Imaging*) is one of Canada's leading astrophotographers, whose superb images frequently appear in Astronomy and Sky and Telescope magazines. He has published several books on amateur astronomy. Jack began to apply his astrophotography experience to CCD imaging using the ST4 in 1989. When the ST6 became available, he had extensive involvement in field testing this camera for the Santa Barbara Instrument Group. On Friday, Jack will share his in-depth knowledge of the ST6 and CCD image processing during the CCD Imaging Workshop. On Saturday, he will talk about astrophotography using a cold camera and compare the results that can be obtained using the ST6 CCD camera.

OTHER SPEAKERS

Paul Boltwood (*CCD Imaging Workshop*) is a computer systems consultant. His exacting standards of excellence have been applied to the design and construction of an observatory fitted with a 7 inch AstroPhysics refractor and a high resolution, high sensitivity homemade CCD camera. His particular interests are photometry of star clusters and astrophotography. He will discuss some of the details of his observatory and show some of his preliminary results.

Peter Ceravolo (*Why You'll Want To Get Into Interferometry*) is a professional optician who has developed a low cost interferometer that can be used by amateur astronomers to test their optics. Peter will describe his interferometer and how to use it.

Mark Coco (*Astrophotography For Beginners*) is the manager of Consumer Relations as well as the technical writer for Celestron International. For two years, he worked as a contributing editor for Deep Sky Magazine, and currently writes a column for the Deep Sky Journal. He also contributes articles to Astronomy and Sky and Telescope magazines.

Terence Dickinson (*Moderator Deep Sky Observing Panel Discussion*) is Canada's leading astronomy writer. He is the author of six books and co-author of three, and has received numerous national and international awards for his work. A former editor of Astronomy magazine, Dickinson was an instructor at several science museums and planetariums in Canada and the United

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STARFEST '93 - REGISTRATION

The North York Astronomical Association invites all astronomers to attend its twelfth annual astronomy convention. The weekend includes observing sessions, formal and informal slide presentations, workshops and commercial exhibits. Observers are invited to bring their slides and telescopes, and share their observing experiences. **To register, please complete this form and send it with your payment to:**

STARFEST '93,
26 Chryessa Avenue,
Toronto, Ontario, M6N 4T5.

Make cheques
payable to:
STARFEST

NAME (print) _____

ADDRESS _____

CITY _____ PROVINCE _____

POSTAL CODE _____

CAR LICENCE _____ No. of PEOPLE _____

Registration Fee _____ at \$ 30.00* each \$ _____

Dinner Reservations -

Adult _____ at \$ 12.00 each \$ _____

Child (12 & under) _____ at \$ 6.00 each \$ _____

Please calculate camping or entrance fee using applicable rate.

Individual Camping Rate

People _____ x # Nights _____ x \$10.00\$ _____

Family/Couple Camping Rate

Nights _____ x \$16.00\$ _____

Hydro Hookup # Nights _____ x \$ 1.00\$ _____

Trailer Site With Full Hookup

Nights _____ x \$18.00\$ _____

-----OR-----

Entrance Fee for non-campers only

People _____ x # Days _____ x \$ 6.00\$ _____

T-shirts: adult sizes: _____ x \$15.00\$ _____

____ Medium ____ Large ____ X-Large ____ XX-Large

Sweatshirts: _____ x \$22.00\$ _____

____ Medium ____ Large ____ X-Large ____ XX-Large

Sweatpants: _____ x \$22.00\$ _____

____ Medium ____ Large ____ X-Large ____ XX-Large

TOTAL \$ _____

* NOTE: After August 1, 1993 and at the gate, the registration fee is \$40.00.

CONVENTION REGISTRATION

A registration fee of \$30.00 is required to cover the expenses of the convention. You are urged to pre-register by mail before August 1, 1993. Please complete and return the attached registration form, with payment, to the address indicated. After August 1, 1993 and at the gate, the registration fee will be \$40.00 per person. Your non-participating spouse is welcome without charge, but please include his or her name on your registration form. There is no charge for family members under 16 years of age. Registration confirmations will be mailed to you if payment is received prior to August 1, 1993.

CAMPSITE RESERVATIONS

This is a camping weekend, so bring your tent or trailer. The River Place is a private campground with coin-operated showers, flush toilets, pool and convenience store. To reserve a campsite, please complete the camping reservation section of the registration form and enclose payment.

MEALS

A buffet style dinner will be served in the tent on Saturday night. This dinner consists of roast beef, chicken, mashed potatoes, corn, mixed vegetables, tossed and bean salad, pie, coffee, tea and fruit punch. To reserve your dinner please indicate on the registration form the number required, and enclose payment. We cannot guarantee a dinner unless you reserve one in advance.

The River Place provides pancake breakfasts, light meals and snacks on a pay as you go basis. In addition, coffee and donuts will be available, all night long, in the "Red Light Café" located in the recreation hall.

Cooking is allowed in the camping area on camp stoves and charcoal grills. Open fires are not permitted. Restaurants are located in Mount Forest, Durham, and Hanover, within a 1/2 hour drive of the River Place.

STARFEST PROMOTIONAL ITEMS

A limited supply of STARFEST T-Shirts, Sweatshirts, baseball caps and crests will be available. The T-Shirts are made from 100% preshrunk 10 oz cotton and are double stitched. The sweatshirts are made from 100% preshrunk 14oz cotton and are double stitched. The t-shirts and sweatshirts are red and the sweatpants are dark blue. To avoid disappointment, order your promotional items with your pre-registration.



The
North York
Astronomical
Association

26 Chryessa Avenue
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Canada

SPEAKERS (...continued)

States before turning to science writing fulltime in 1976. His articles have appeared in many magazines, including Equinox, Reader's Digest, Omni and Science Digest, and he writes a weekly astronomy column for The Toronto Star.

Alan Dyer (*Deep Sky Observing Panel Discussion*) is an Associate Editor of *Astronomy*, the world's largest-circulation magazine for amateur astronomers. He is an experienced astrophotographer, deep sky observer and astronomy writer. For more than a decade, he was a writer/producer at the Edmonton Space and Science Centre.

Grant Dixon (*Deep Sky Observing Panel Discussion*), is an experienced deep sky observer. He has been active in the Hamilton Centre of the RASC for many years and has held the positions of Observing Director and Public Night Education Coordinator.

Andreas Gada (*Using Photo CD to Display and Process Astrophotographs*), is an avid astrophotographer and telescope maker who has designed and built several observatories. In the fall of 1992 Kodak introduced Photo CD, a new product that enables photographers to have slides or negatives digitized and transferred onto compact disk. These images can be viewed on a TV using a Photo CD player, or processed by a personal computer equipped with a Photo CD enabled CD ROM drive and image processing software. Andreas will describe what Photo CD is, why you may want to use it for your astrophotographs, and what electronic imaging processing can do for your astrophotography.

Doug George (*CCD Imaging Workshop - Maximum Entropy*), is a systems engineer whose interests include comet hunting, observing occultations, astrophotography, and telescope making. These interests have encouraged him to experiment with the LYNX CCD camera. Working jointly with a small group, he has developed special image processing software to optimize CCD images. Doug will describe what maximum entropy is, how the program works, and what type of results can be achieved.

Bryce Heartwell (*Deep Sky Observing Panel Discussion*) is a specialist in co-generation electrical facilities. He is well known in his home province of Alberta for his telescope construction skills, and his visual deep sky observing experience, with and without filters. His special interests are galactic clusters and nebulae, which reveal rarely glimpsed complex detail in his 14 inch Ceravolo Newtonian.

David Levy (*Maxwell's Silver Hammers: A Comet To Remember*), is a noted Canadian comet hunter, an astronomy writer who has a monthly column in *Sky & Telescope*, and a part time observer at Kitt Peak, Mount Palomar, and the University of Arizona. David will talk about 1993e, the comet he co-discovered with the Shoemakers. Shoemaker-Levy's close approach to Jupiter resulted in its capture and fragmentation of the nucleus. David will share some recent images of the comet and give us some insight into history in the making.

SPEAKERS (...continued)

Rick McWatters (*CCD Imaging Workshop - The ST4 Experience*), is the CCD Camera Special Interest Group Coordinator for the NYAA. In 1990 the NYAA purchased the ST4 and established a special interest group to promote electronic imaging within the club. Rick will show some of the results obtained by the club members and outline some of the challenges faced by newcomers to CCD imaging.

Bob Sandness (*Using Photo CD to Display And Process Astrophotographs*), is an electronics engineer whose interests include astrophotography and telescope making. The advent of Photo CD has encouraged him to use electronic image processing to get the most out of his astrophotographs. Bob will show some of his results and explain how these images were processed.

Charles Sinsofsky (*CCD Imaging Workshop - Using The ST4 For Autoguiding*), is a software engineer whose interests include astrophotography and deep sky observing. His interest in astrophotography lead him to buy the ST4 for autoguiding his telescope. Charles will share his adventures in autoguiding with us.

Jerry Spevak (*Deep Sky Observing Panel Discussion*), is an avid deep sky observer and astronomy writer whose articles have appeared *Astronomy* and *Deep Sky* magazines.

MOTELS

For those wishing such accommodations, motels are located in Mount Forest, Durham and Hanover. Please make your own reservations. Convention discount rates may be available; please check with the motel at the time you make your booking. The following are within a 30-minute drive of the River Place:

- ☆ Cardinal Motel
Hwy. 6, S. of Durham (519) 369-3300
- ☆ Forest Plaza Motel
284 Main St. N, Mount Forest (519) 323-1101
- ☆ Canadiana Motel and Fitness Centre
617 10th St., Hanover (519) 364-1580
- ☆ Travellers Inn Motel
144 7th Ave., Hanover (519) 364-1911

How to find The River Place:

We are located 8½ miles north of Mount Forest and 1½ miles west of highway #6 on Normanby Township road conc. 11 & 12.

