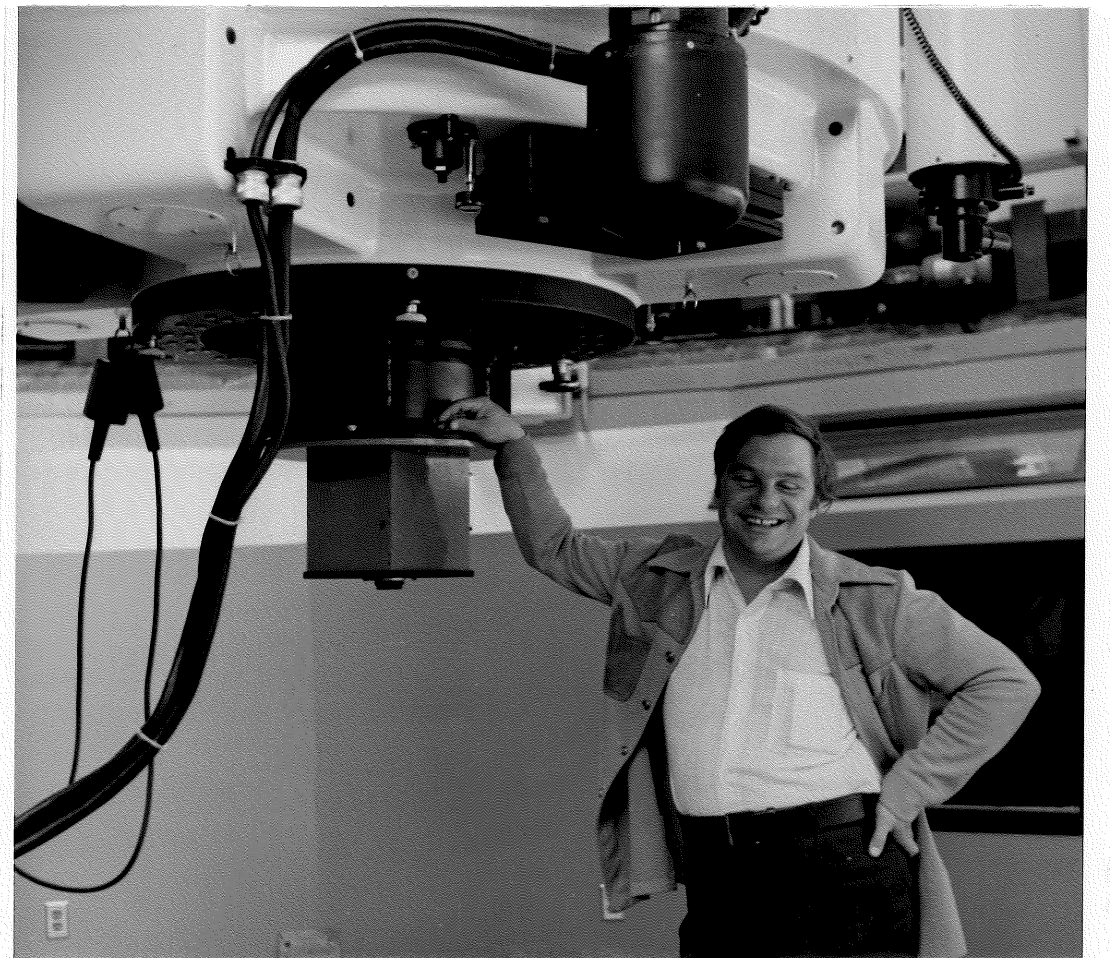


DAVID DUNLAP DOINGS

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Rene Racine's new observatory on Mont Mégantic in the Eastern Townships lacks only the formal opening. On May 20 there was an Open House there for all who had worked on or contributed in some way to the telescope. Bob Garrison served as an unofficial ambassador and his report appears on page 1. (Photo courtesy rG).

HAIL THE NEW CHAIRMAN AND DIRECTOR

He is alive and coping well. At the Department his elbows are set firmly on the teak arm rests of the Chair. At DDO his feet are comfortably placed on his new wall-to-wall broadloom. He has taken on the bi-polar appointment with aplomb and cool efficiency.

The morning mail is read but once and dealt with with despatch. The memos from his Associate Director and Associate Chairman are quickly noted and responded to with brief and cogent sentences. Joan and Pamela coolly handle routine matters according to predetermined formulas which cover most every situation.

His pipes are arranged in particular order on his desk, beside his HP 97. He keeps his schedule to the minute, as he has always done. The secretaries at both poles know precisely where he is to be found at any moment.

The university, of course, is not in session. The Dean is on vacation. The Acting Dean of SGS is as new to his duties as Don is. Simcoe Hall is in its summer doldrums. The first meeting of the General Committee is not until October 2. But you've made a very good start, Don. Lots of luck!

MR

L'OBSERVATOIRE ASTRONOMIQUE DU QUÉBEC

rG is the first DDO astronomer to have "observed" with the new 1.5 meter Telescope on Mont Mégantic in Southern Quebec. It was just the moon, and through clouds at that, but nevertheless, a new telescope is always exciting. After giving a talk at the Université de Montréal on Friday, he was whisked away by Rene to the Racine home in the suburbs to the South where Claudine had prepared one of her gourmet treats. The three of them then drove off to the site, arriving by midnight. The charming and gracious observatory cook, Mrs. Talbot, aroused from her slumber, served tea and cake, very much above and beyond the call of duty. The first night being cloudy, they looked around the dome and lodge before turning in.

The dome has a huge warm room, which will obviously be necessary even in the summer (there was still 2 feet of snow in the woods in late May!) and it is planned to use automation as much as is possible.

The site has a very dark sky, since it is 150 miles away from both Montreal and Quebec City. That is its chief advantage; the incidence of clouds is unfortunately no better than elsewhere in Canada.

Astronomers will undoubtedly spend much, if not most, of their spare time in the lodge, so Rene has wisely made it a very comfortable place to be. It will be a tempting retreat for weary faculty when they feel pestered by students and also a place where those research papers can be written in peace and quiet.

All in all, it is an exciting adventure. Congratulations to Rene and his teammates and best wishes for good seeing!

JUNE INSTITUTE XII

The twelfth annual June Institute was held from 30 May to 2 June 1978, inclusive. The invited lecturers were Paul Feldman, N.R.C., Jeremiah Ostriker and James Peebles, Princeton University (the latter a returnee from the first annual June Institute), Frank Shu, University of California, and Daniel Weedman, Vanderbilt University. There were about 100 participants, including about 50 from other institutions.

As well as the lectures, the Institute included a popular series of social events: the now-traditional Peter Martin Welcome Party, a visit to DDO, a very successful GASA Party at the Newman Centre, and an Institute Dinner, with Greek cuisine, at the Acropole Restaurant. Thanks are extended to all who assisted in the planning and execution, and not least to John Percy.

MOVING DAYS

We report a strange disposition among members of the David Dunlap Observatory to change their residence during the current summer. As we go to press the pathology of the phenomenon is not known but we may be dealing with an epidemic.

John Lester's case was the first to be reported; he has purchased a house in Mississauga and moved to the new address in mid-June. Don MacRae's exit from Observatory House was not unheralded but turned out to be far more traumatic than he anticipated. Don Fernie's move in will formally take place on July 24 but renovations and some inflow is already taking place. No sooner will he forsake 12 Thornheights Road than Frank Hawker will transfer there (July 27) from his present house on Hillsvew Drive.

Ernie Seaquist will move to 14 Wedgeport Pl. north of Sheppard near Bayview on August 25. Allen Yen now resides at 139 Amelia, where he is much closer to the university not to mention his boat. Bill Clarke is in the throes of a move, being currently the unhappy owner of two houses, and Pamela and Alan Sullivan have just sold and are buying in a more convenient location. And Christine Clement along with her brother and sister have just recently sold a century old house that has been in their family for 85 years. They are busy moving the contents this summer.

Where will it all end? Well, one of us who is definitely not moving is Helen Hogg. She is still at 98 Richmond Street, Richmond Hill, the house she and Frank bought in May, 1937, over 41 years ago. But the news here is that she is having a new (two-car) garage constructed to replace the old one.

BULLETIN --

Just at press time we learned of another outbreak. Rick and Nancy McGonegal have purchased a 3-bedroom bungalow at 27 Benfer Rd in Richmond Hill. They move in July 31.



WITH STARS IN THEIR EYES

Thomas Clarke was married to Katherine McLay on May 13, 1978. Kathy is the Exhibition Officer at the Royal Ontario Museum. Tom and Kathy joined the staff of the ROM on the same day January 2, 1968 but it took over nine years before their capture cross sections intersected and brought their lives into convergence.

Joan Tryggve's son, Kenneth, was married to Carol Tarrant on July 17, 1978 in the Richmond Hill United Church. They will spend their honeymoon camping.

GO FORTH AND MULTIPLY...

And so it has. First at NRAO where it was developed, then at many large optical observatories (including CFHT) and now at DDO. FORTH is an interactive computer language ideally suited for instrument control. Its interpretive structure gives it the power and versatility of assembly language while retaining much of the programming convenience of high-level languages. Thanks to the generosity of Tom Sargent at Steward Observatory we now have a "floppy-disk" version of FORTH which will run on the NOVA 1220 at DDO and on the NOVA 3/12 which the IR group uses. Rick McGonegal who is developing FORTH programs for the control of IR instruments is the local expert.

THE VAX

The new VAX-11 computer, located on the 8th floor of Burton Tower, is now up and running. The purchase of this powerful DEC product was arranged by a consortium of high-volume users which includes the Department of Astronomy. It will be used for "Class C" style number-crunching programs and is particularly suited for the reduction of two dimensional PDS scans.

Programs will be developed and run on an interactive basis. Our terminals on the 13th floor can now communicate with the VAX and phone access from DDO, Erindale and Scarborough will be possible. There will be a printer/plotter on the 8th floor this Fall.

Anna Pezacki is the friendly and helpful system manager. See her to get started or talk to Chris Rogers or any other computer jockey for more information.

YOU CAN'T TELL THE PLAYERS WITHOUT A PROGRAM

So here it is for this year's team of summer assistants

Summer assistants

Working for

Alfred Stulginkas	C. Clement, J. Lester & H. Hogg
Tom Wells	C. Clement
Joan Lawlor	Garrison
Kai Millyard	Garrison
Petrusia Bojetchko	Kronberg
John Pala	Kronberg
Jaymie Matthews	Percy
Derek Trevorrow	Percy
Nebojsa Duric	Seaquist
Anne Kubjas	Library assistant

The jerseys with names on the back got cut from the 1978-1979 budget so matching the names with faces will be left as an exercise for the reader.

COMINGS AND GOINGS

Peter Martin began a 1 year sabbatical on July 1 and was last seen heading in the general direction of Cambridge, U.K. He is expected to spend some time in Tucson during the winter with brief sporadic appearances in Toronto.

We were well represented at the spate of scientific meetings which always follow the end of term. In chronological order, the score was as follows:

- At RASC General Assembly, Edmonton Alberta, May 19-22
Helen Hogg and John Percy

- At CASCA, Saskatoon, Saskatchewan, May 24-26
Don Fernie who gave a paper "89 Her: A Freak Cepheid?" and subsequently attended the ACA meeting on May 27
Bob Garrison who gave a paper "The Spectral Type of the Sun" and was elected to Council
Phil Kronberg who gave an invited paper "Some Recent Extragalactic Discoveries at Low Brightness Levels"
Bob McLaren who also attended a meeting of the ACA Subcommittee on Space Astronomy on May 23
John Percy who gave a paper (co-author Peter Wizinowich) "The Two Periods of 44 Tauri: A Least Squares Approach"
Helen Hogg.

- At the Stellar Pulsation Conference, Goddard Spaceflight Center, June 1-2
Don Fernie who gave 2 papers "The Period Change of SV Vul as a constraint on Theoretical Models" and "89 Her: A Cepheid Outside the Instability Strip"
Nancy Evans who gave a paper on "Microturbulence and Wesselink Radii".

- At the Royal Society of Canada meeting, London, Ontario, June 4-7
Helen Hogg.

- At I.A.U. Symposium 83, "Mass Loss and Evolution of O-Type Stars" Qualicum Beach, B.C., June 4-10
Tom Bolton and John Lester.

- At I.A.U. Symposium 84, "The Large Scale Characteristics of the Galaxy", College Park, Maryland, June 11-17
Phil Kronberg and Martine Normandin.

- At the Astronomical Society of the Pacific meeting, Park City, Utah, June 20-23

John Percy who gave a paper "Period Changes in Dwarf Cepheids".

- At the 152nd AAS meeting, Madison, Wisconsin, June 25-28

Lindsey Davis who gave a paper "A Successful Search for OH Emission in Early-Type Emission-Line Stars with IR Excesses"

Shyam Jakate who gave a paper "A Search for Beta Cephei Stars II: NGC 4755"

Chris McAlary who gave a paper "Broadband Infrared Observations of Seyfert Galaxies"

Martine Normandin who gave a paper "A New Determination of the Interstellar Faraday Rotation"

Phil Kronberg and Bob McLaren who as co-authors helped out with the steak and beer at Picnic Point.

Between all the meetings, some people actually found time to observe. Christine Clement went to Las Campanas in May and summer student Tom Wells in July to photograph globular clusters. The weather was fairly good in all and Christine now has lots of good material to determine period changes in RR Lyrae stars.

Bob McLaren and Al Betz (U.C. Berkeley) were on the McMath solar telescope at Kitt Peak from May 29 to June 12 doing 10-micron heterodyne spectroscopy of stellar objects, principally IRC+10216. They were successful in detecting 3 ammonia lines in the circumstellar envelope of this peculiar carbon star.

Ernie Seaquist was at ARO July 10-12 with summer student Nebojsa Duric searching for recombination lines in Q.S.O.'s at $\lambda 4.8$ cm. Earlier (June 25-30) he was also at ARO searching for radio emission from symbiotic stars at $\lambda 1.4$ cm and $\lambda 2.8$ cm.

Phil Kronberg and Jim Clarke were at the VLA doing some computing early in July.

Don MacRae as Chairman of the Board of Directors of the Canada-France-Hawaii Telescope Corporation was in Quebec City for the 19th regular meeting of the Board May 31-June 2.

Zane Sterns attended the Special Libraries Association Conference in Kansas City June 11-15.

Gilles Menard (M.Sc. 1974) spent 2 years in Burundi with CUSO returning to Montreal and U. de M. in 1976. We learn that he recently passed his comprehensive exam and will be working with Rene on his thesis which involves the construction and use of a fast photometer on the new 60-inch. Determination of stellar diameters by lunar occultation is one of the projects contemplated. Gilles also works part-time at the Dow Planetarium giving 4 or 5 lectures per week.

Rick McGonegal passed his Ph.D. General Examination on June 16. Recognizing talent when they see it, GASA promptly elected Rick as president.

DDO ON THE CAM

The NATO-sponsored "Advanced Study Institute" on Globular Clusters will take place at the Institute of Astronomy in Cambridge (U.K.) from 7 to 18 August.

It starts with a big bang. On the first morning Sidney van den Bergh gives the Introductory Overview. This is followed in the afternoon by a session on Extragalactic Globular Clusters chaired by Re with contributions anticipated from Dave Hartwick, and Dave Hanes. After that comes Integrated Photometry at which Rene will have something to say himself. The next day Len Searle (Assistant Professor, DDO, 1956-1961) is a featured speaker and Bill Harris is also listed. And so the program goes - Barry Madore, Pierre Demarque, Bob McClure, Helen Hogg, Serge Demers... Participants, of which there are 126, also include Kim Innanen and John Kormendy. It adds up to a 10 percent participation for DDO. Helen Hogg is of course on the General Organizing Committee and Barry has been busy as a member of the Local one.

CFHT NEWS

As reported in our March issue, the CFHT is soon to be erected in the dome on Mauna Kea. This month the Project Office in France will be closed and all activities will henceforth be administered from the headquarters in Waimea (Kamuela), Hawaii.

The response to the position of staff astronomer advertized in our April issue and elsewhere was disappointing. Consequently the deadline has been extended and the requirements with regard to experience are being somewhat reduced.

ARE YOU A MEMBER OF THE IAU?

If you are interested in the work of the Union and are otherwise qualified for membership you may wish to have your name put forward in nomination for election at the 17th General Assembly in Montreal next year.

Information relating to nomination can be obtained locally from John Galt, Phil Gregory, Lorne Avery, Don MacRae, or elsewhere in Canada from any current IAU member. If inquiring by mail, write to John Galt at DRAO, Penticton, B.C. V2A 6K3. The deadline is November.