



EDITORIAL

The Growth of a University

I had two occasions to revisit the University of Western Ontario recently: on Sept. 4-6 for the dedication of their new Observatory just north of London with its fine 40-inch reflector and accessories, and on Oct. 16-18 for the 40th anniversary of my class on Homecoming Weekend. On the latter occasion we had as our guest Dr. D.C. Williams, the President and Vice-Chancellor of Western, who gave us a fascinating summary of the state of the University at the present time.

Our class of '29 was the second class to begin studies at the then new campus in north London. At that time there were two buildings, one for Arts and one for Science. There were, I suppose, not more than 600 full-time students on that campus, consisting of the four Arts years and two Pre-med years. The Medical School was then in South London, and I suppose there were upwards of 400 students there. Besides these there was a handful of theology students. Western was looked down upon by students at Toronto, Queen's and McGill, and, possibly with some justification, it was called a glorified high school. It was frankly a regional university, as its name implied, and perhaps the standard of scholarship was rather spotty. Astronomy was represented by the amateurish but enthusiastic interest of Dr. H.R. Kingston, Head of the Mathematics Department; one course in astronomy was offered in the mathematics option of the M. and P. course, but not in the physics option! There were Master's programs in some disciplines, but no Ph.D. programs. Medicine, on the other hand, was respected and so was the newly formed Department of Business Administration.

There was some expansion before the war and some in the decade following, but the real explosion has come only during the past 10 or 12 years. Now on the main campus there are about 50 buildings, including a new Medical Centre and a large University Hospital under construction; the total enrolment is over 12,000; there are Faculties of Engineering, Law and Dentistry, Colleges of Education and of Music, Schools of Business, Nursing, Household Science and Graduate Studies,

to name only those which come to my mind. In a few disciplines Western now excels; in some others, as in astronomy for example, it has outstripped many of the older and larger Canadian Universities.

President Williams, who is known well by many of us as a former Professor of Psychology at Toronto, then Director of University Extension, then Principal of Scarborough and Erindale, appears to be having less trouble than his opposite numbers in both older and younger universities. Perhaps Western has an advantage in being neither very young nor very old; everyone there seems to be too busy getting on with the job to be making more than minor fusses from time to time.

We wish Western well.

J.F.H.

OBSERVING

Gerry Longworth and his colleagues have been plagued by misfortune in their efforts to get the large aluminizing chamber in working order after its recent modifications. Observing has thus been hampered, but the weather hasn't been all that good this fall anyway.

Dr. van den Bergh has, by his own admission, developed a halo. He is now busy measuring spectrograms for radial velocity - not ours, admittedly, but Palomar spectrograms of knots in the Cas A filaments in which he is finding velocities in the thousands of km/sec.

Requests for observing time on the 74-inch telescope for November have exceeded the number of nights available. Waterloo observers have one full night a week, Drs. van den Bergh and Racine have requested time for photometry, Dieter Brückner has large requirements for spectroscopy, and the newer graduate students are enthusiastically competing for time to gain experience and acquire observations on their projects. There is similar pressure on the 24-inch.

COMINGS AND GOINGS

Early in October Dr. Hogg spent four days in Geneva, Switzerland, three days in Dunstable and one day at a meeting of the National Lectureship Committee of Sigma Xi in New York. Between October 11th and 27th she has been at Dunstable again with side excursions to Montreal and elsewhere.

Dr. MacRae was in Houston on October 15-16 for a meeting of the Board of Trustees of the Universities Space Research Association, and in Ottawa on Oct. 23-25 for a meeting of the Council of Section III of the Royal Society of Canada.

Dr. van den Bergh returned on Oct. 25 from a three-night observing session at Mount Palomar and a four-night session at Kitt Peak with the 84-inch.

Dr. Percy was in Kitt Peak Oct. 9-26 for an observing session with the 16-inch and enjoyed very good weather.

Tom Barnes returned Oct. 22 from Cerro Tololo with many plates from the 24-inch Schmidt on the Dunlap Survey of the Southern Milky Way and of the Magellanic Clouds for Dr. van den Bergh, of a southern globular cluster for Chris Coutts.

Dr. Garrison was at the University of Rochester on October 24 to give a colloquium to the Department of Astronomy on "Some Characteristics of Peculiar B Stars".

Nos Visiteurs Francais

La veille de départ de Mlle Annie Laval, encore un astronome francais est arrivé a l'observatoire. Il est le Docteur Agop Terzan de l'université de Lyons qui va resider plusieurs mois ici et travaillera avec Mme Hogg dans l'étude des amas globulaires.

Mlle Laval a écrit qu'elle a été accueillie chaleureusement à Victoria et elle a déjà pu avoir une idée tres précise sur le fonctionnement des machines employées dans cet observatoire.

Appointments

Miss Katherine Graham has been appointed to the position of assistant secretary in the Department, and works with Mrs. Alice Streit in room 1401.

Mrs. Linda Emerson, a Ph.D. student of Dr. Frank Drake at Cornell, has a part-time appointment on the staff, and works two days a week at Scarborough College. Her husband is a Lecturer in Physics at Erindale.

Miss Rita Heeringa of Richmond Hill has been appointed by Dr. van den Bergh as an assistant and works at the Observatory.

SEMINARS

OCTOBER

October seminars were as announced.

NOVEMBER

Tues. Nov. 4, DDO

"Town Meeting"

Wed. Nov. 5
McLennan, Room 202

Prof. B.G. Wilson, University of Calgary,
"X-Ray Astronomy"

Tues. Nov. 11 DDO

Dr. Clement, "Differential Rotation in the Solar Interior"
Dr. Seaquist, "Magnetic Fields in Quasi-Stellar Radio Sources".

- Tues. Nov. 18, DDO Prof. David Layzer, Harvard University
"Formation of Astronomical Systems".
- Nov. 25, DDO Greg Fahlman, "Structure and Stability of
Rapidly Rotating Super-massive Stars".

SEMINARS IN ASTROPHYSICS G2000
(4.10 p.m. Room 202, McLennan)

- Wed. Oct. 22 Bob Hawkins, "Saturn's Rings".
- Wed. Nov. 12 Jack Winzer, "X-Rays from the Sun"
- Wed. Nov. 19 Tom Barnes, "Structure of Jupiter and Saturn".
- Wed. Nov. 26 Ted Bednarek, "Spectra of Comets and their Interpretation"

IAU SYMPOSIUM ON LABORATORY ASTROPHYSICS

A symposium sponsored by the I.A.U., N.R.C. and York University will be held on Nov. 7-8, 1969 at York University. The sessions are open to all for a registration fee of \$5.00 which includes two luncheons.

The schedule of scientific sessions (which are to be held in the new court room of Osgoode Hall Law Building on the York Campus) includes

Friday

- 9 a.m. - 10 a.m. Registration.
- 10 a.m. - 10.15 a.m. Welcome
- 10.15 a.m. - 11 a.m. Dr. Jean Petrie (UBC) "R.M. Petrie
and the B Star Program at the D.A.O"
- 11 a.m. - 12 Opening of the R.M. Petrie Building and Observatory.
- 12 - 2 p.m. Luncheon.
- 2 p.m. - 2.50 p.m. Prof. Pol Swings (Liège) "A Few Fluorescent
Phenomena in Astronomical Bodies".
- 2.50 p.m. - 4 p.m. Contributed papers. (See last page for Sat.)

Papers submitted in October

- W. Gorza and J.F. Heard "Radial Velocity Observations of the
Eclipsing System HD 128661" (A note to
I.A.U. Comm. 42 Information Bulletin).
- J. Percy The Light Variation of γ Coronae Borealis
(P.A.S.P.)
- Anand and Sackmann Evolution of Rapidly Rotating B-Type
Stars (Proc. IAU Coll. no. 4)

Naylor and Anand Structure of Close Binaries 1. Polytopes
 (Proc. IAU Coll. No. 4).

Fahlman, Naylor and Solar Oblateness and Differentially Rotating
Anand Polytopes (Proc. IAU Coll. No. 4)

Ph.D. Examinations

Final oral examinations are scheduled for Tom Clarke on Oct. 29 and for Dave Goodenough on Nov. 5. For the latter Dr. Bob McClure will be here as external appraiser and examiner.

ALUMNI

Peter Martin (M.Sc. 1969) and Mrs. Martin have now arrived in Cambridge where Peter is beginning to study under Dr. Sciama. Their address is Flat 49, Churchill College, Cambridge, England.

MISCELLANEOUS

Moon Samples

Everyone saw the rock and dust from the moon which was exhibited earlier this month in the McLennan Laboratories and at Erindale. Dr. MacRae was pleased to see that his predictions of July 22 that the samples would be "unlike anything known on earth" and "closer to the primordial material of the solar system than anything we know" have been borne out by the preliminary published reports on composition and age of the samples.

Talks

Dr. MacRae addressed the Toronto Centre of the R.A.S.C. on Oct. 3 on "Astronomy of the Future".

Dr. Heard addressed the London Centre of the R.A.S.C. on Oct. 16 on "The History of Astronomical Navigation", and the Victoria Square Lions Club Charter-night on Oct. 21 on "The Moon Walk and the Moon Samples".

Louis-Pierre Sauve addressed the Toronto Centre of the R.A.S.C. on Oct. 17 on "Egyptian Astronomy".

YORK SYMPOSIUM cont'd

Saturday

9 a.m. - 9.50 a.m.	Prof. W.R.S. Garton (Imperial College) "New Studies on the Quadratic Zeeman Effect and Configuration Interaction".
9.50 a.m. - 10.30 a.m.	Contributed Papers.
10.30 a.m. - 10.50 a.m.	Coffee

cont'd . . .

10.50 a.m. - 11.40 a.m.

Prof. Anne Underhill (Utrecht) "The H spectrum in B-type supergiants".

11.40 a.m. - 12.20 p.m.

Contributed papers

12.20 p.m. - 2 p.m.

Luncheon.

2 p.m. - 2.50 p.m.

Dr. G. Herzberg "The Problem of Diffuse Interstellar Lines"

2.50 p.m. - 3.30 p.m.

Contributed papers.

3.30 p.m. - 3.50 p.m.

Coffee

3.50 p.m. - 5.10 p.m.

Contributed papers.