



EDITORIAL

"Dans la rose je fleuris"

In the month which has seen the town of Richmond Hill's population leap from 19,000 to 33,000 and its area expand from about two square miles to 50, it is appropriate to say a few words about the town's past and future and its relation to the Observatory - which is now within its boundaries.

The history of the community goes back to the year 1782 when the Crown granted to each of Captain Daniel Cozens and Captain R. Lippincott "3000 acres on the west side of Indian Trail". Within these ten square miles farms were carved out of the wilderness and a hamlet developed at the height of land near Yonge Street and Markham Road. It was first called Miles Hill for a family of settlers named Miles (ancestors of Dr. Langstaff of Richmond Hill). Later for a few years it was known as Mount Pleasant. In 1819 the Governor of Upper Canada, the Fourth Duke of Richmond, visited the community, and the residents commemorated the event by renaming the hamlet Richmond Hill. They sought and obtained the Duke's permission to adopt his crest - golden lion passant on a red field surrounded by white roses (of York) with the motto which is the title of this article.

Richmond Hill grew slowly at first. When the Observatory was founded just to its south in 1935, the village straggled along Yonge Street from Markham Road to Little's garage, and extended only a few blocks east and west. There were four churches, a few dozen stores, two greenhouses which made Richmond Hill famous for its roses, two moribund hotels and two doctors and a dentist who looked after the health of its 1200 citizens. But after the war the building boom brought development of two subdivisions with attendant shopping centres; the population mushroomed; industries came, a theatre, in 1956 the status of "town", in 1964 the hospital.

This month, with the advent of the new system of regional government, the boundaries of Richmond Hill were extended from Highway 7 on the south to the "CFRB Sideroad" (north of Oak Ridges) on the north, and from

Bathurst Street on the west to the future Highway 404 on the east. On January 4th Mayor William Lazenby presided at the inaugural meeting of the Council of the new town.

What does it mean to the Observatory? For one thing we now look to Richmond Hill instead of to Markham Township for police and fire protection and other services. For another thing we are certain to be engulfed by a built-up environment. In the concession block to our east (Yonge, Bathurst, Carrville Road, Maple Sideroad) a complex of houses, town houses, apartments, a 6-acre Yorkdale-type shopping mall, schools, churches, civic centre, will begin to grow up in the spring of this year; within a decade this area is expected to house between thirty and forty thousand new residents. A recent prediction has put the population of Richmond Hill at 200,000 before the end of the century - a shorter time from now than the present age of the Observatory.

How rapidly and to what extent our work will suffer from all this may depend a good deal upon the character of the relations between us and the community. We must do all we can to keep those relations cordial. Let us hope that the townsfolk will be as proud of their observatory as they have been of their greenhouses, and that those of us who live and work here will earn the same respect as did the Angles and Mills of rose-growing fame.

J.F.H.

OBSERVING

Not to be outdone by the rest of the news media, let us refer to the news release of January 18 regarding the U. of T. telescope in Chile. In particular let us call attention to some of the points that the Toronto newspapers overlooked. The auxiliary instruments of the 24-inch reflector will include a low-dispersion grating spectrograph designed and built here under the direction of Dr. Garrison and a highly sophisticated photoelectric photometer being developed by Dr. Racine. The programs already planned include the photography of clusters and galaxies, the monitoring of the colour and brightness of various celestial objects including the Cepheid variables, the determination of the spectral characteristics of stars in the southern sky and the mapping of the southern half of the Milky Way. While the funds for the telescope itself came from the N.R.C., the construction at Las Campanas is being financed from Observatory funds derived from benefactions of C.A. Chant, Walter J. Helm and the Dunlap family, and the operating cost is being underwritten initially by the Associates of the University of Toronto Inc. of New York City, an organization which obtains donations to the U. of T. from alumni living in the U.S.

We are excited about the project, grateful to the N.R.C. and the benefactors and eager to start our programs - later this year, we hope.

COMINGS AND GOINGS

Dr. MacRae will be away for three weeks commencing January 28, first to be a guest at the Apollo 14 launch and then to visit the University of Chile, Las Campanas and the other observing sites in Chile.

In the December Doings we inadvertently omitted recording the paper entitled "Differentially Rotating Viscid Polytropes" presented by Dr. Dennis Marks at the December A.A.S. meeting and that Dr. Marks gave a colloquium at Harvard University of December 10.

Dr. Roeder spoke on Dec. 9 at a CRESS colloquium at York University on "Quasars and Cosmological Problems", and on December 14-15 he and Charles Dyer attended the "Fifth Texas Symposium on Relativistic Astrophysics" at the University of Texas in Austin.

Dr. Garrison gave a talk on "Spectral Classification and Current Problems" at the NASA - Goddard Space Flight Center in Greenbelt, Md. on Jan. 7.

Talks

Dr. MacRae spoke at Hart House to the annual meeting of the Associates of the Univ. of Toronto Inc. of N.Y. on Jan. 23rd on "Reaching for the Stars with an assist from the Associates".

SEMINARS

JANUARY

As announced in the December Doings, except that on Dec. 28 an informal round-table discussion was held with four visiting astronomers: Dr. David Crampton of D.A.O., Dr. David Hogg of N.R.A.O., Dr. Jim Wanner of the U.S. Naval Observatory and Dr. Jan Smolenski who stopped over in Toronto en route from D.A.O. to his home in Torun, Poland.

FEBRUARY

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| Tues. 2nd
DDO 4 p.m. | Dr. Racine, "The M67 Mess". |
| Tues. 9th
DDO 4 p.m. | Dr. Melvyn Wright, N.R.A.O., "Neutral Hydrogen in M33". |
| Tues. 16th
DDO 4 p.m. | Dr. Heard, "The Selection of Faint Radial Velocity Standards". |
| Wed. 17th (McLennan)
(subject to confirmation). | Dr. J.V. Narlikar. Institute for Theoretical Astrophysics, Cambridge, England. |
| Tues. 23rd
DDO 4 p.m. | Dr. Michel Breger, S.U.N.Y. (Stony Brook), "Stellar Pre-main Sequence Contraction, Peculiarities and Pulsations". |
| Thur. 25th
McLennan
(joint Astronomy-Physics) | Dr. D. H. Douglas, Univ. of Rochester, "Gravity Experiments" |

Preliminary Announcement

Dr. Wallace Sargent of the California Institute of Technology will visit the U. of T. March 7 - March 13. He will give 4 lectures.

1. Groups and Chains of Galaxies.
2. Compact Galaxies
3. Are there Young Galaxies?
4. Absorption lines in QSO's.

Papers submitted in January

M. Peimbert and S. van den Bergh, "Optical Studies of Cassiopeia A IV: Physical Conditions in the Gaseous Remnant".

V.B. Meen

On January 14th the death occurred of Dr. Victor Ben Meen formerly Curator of Mineralogy at the Royal Ontario Museum and a former member of the Department of Geology in the University. Dr. Meen was well known to Canadian Astronomers, both as a good friend and as a distinguished meteoricist. He investigated several Canadian meteor craters, notably the New Quebec Crater in Ungava; and, with Dr. MacRae, he was a prime mover in the founding of the McLaughlin Planetarium. Turning to gemology in recent years, he was the leader of a group who catalogued the crown jewels of Iran. He is survived by his widow, Thelma, and three daughters, one of whom, Heather, is the wife of Dr. David Crampton (Ph.D. 1967) of the D.A.O.

DDO and the Hertzian Media

Dr. Helen Hogg has been busy with radio and television recently: an appearance with Betty Kennedy on Channel 19, a CFRB interview with Betty Kennedy and another scheduled for Feb. 3. As well as these, she is preparing a TV series in colour for Channel 19 in which she acts as host. To date she has taped four shows, one with Dr. Carl Sagan and Dr. Percy on planets and life, one with Dr. MacRae and Dr. Heard on the moon and the naming of craters, one with Dr. MacRae and Dr. Garrison on observing in Chile and one with Dr. Ian Halliday and Dr. Bruce McIntosh of N.R.C. on meteors and meteor craters. Two more are to be taped and, it is understood, the weekly transmissions will begin in March, probably on Monday or Tuesday evenings.

ALUMNI

Dr. I. Juliana Sackmann (Ph.D. 1968) has been awarded the Alexander von Humboldt Fellowship tenable in Germany for from six to twelve months. She will be working at the University of Hamburg with Prof. Alfred Weigert and at the Max Planck Institute in Munich to use the IBM 360/91.

Dr. Richard Henry (M.Sc. 1962) has written from Senegal to tell of his hitch-hiking trip across the Sahara accomplished with only four rides (one in the back of a truck with 25 others), over a period of 20 days and at a total travel cost of \$5.

Wallace Russell (B.A. astronomy, 1958) who, as a student, mixed astronomy and the theatre (both effectively) is now General Manager of the National Ballet Guild of Canada with offices at 157 King St. East, in Toronto. Wally's "R" appears on many pages of the observing books and on many radial velocity cards.

Xmas C/D

Another Christmas Countdown is on the record. The 1970 version was good, as usual, the students presenting a "Departmental Council Meeting of a Year or Two Hence", Dr. Racine presenting recorded astronomical excerpts from "Hair", Dr. Fernie an accoustical study of stellar photometry, Dr. Marks an astronomical version of Hamlet's soliloquy, to mention but a few of the excellent skits.

LETTER TO THE EDITOR

Saskatoon,
Dec. 13, 1970

Dear Sir:

I belong to the Royal Astronomical Society of Canada and at our last meeting I ran across a monthly news letter called the David Dunlap Doings and I wonder if you could send one issue and could tell me how much a yearly subscription costs. Also send me information on astronomy to help fill our RASC library.

Yours sincerely,
David

We are touched and we have sent David a complimentary copy of Vol. 3, no. 12, but we have not yet established a subscription rate.

Ed.

A Useful Directory

Canadian University and College for Dec/70 (which has been turned over to Sheila Smolkin for the DDO Library) contains a complete listing of all Universities and Colleges in Canada.