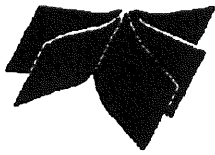


FACULTY OF  
ARTS & SCIENCE



Dean

Marsha A. Chandler

With best wishes for a successful academic year,

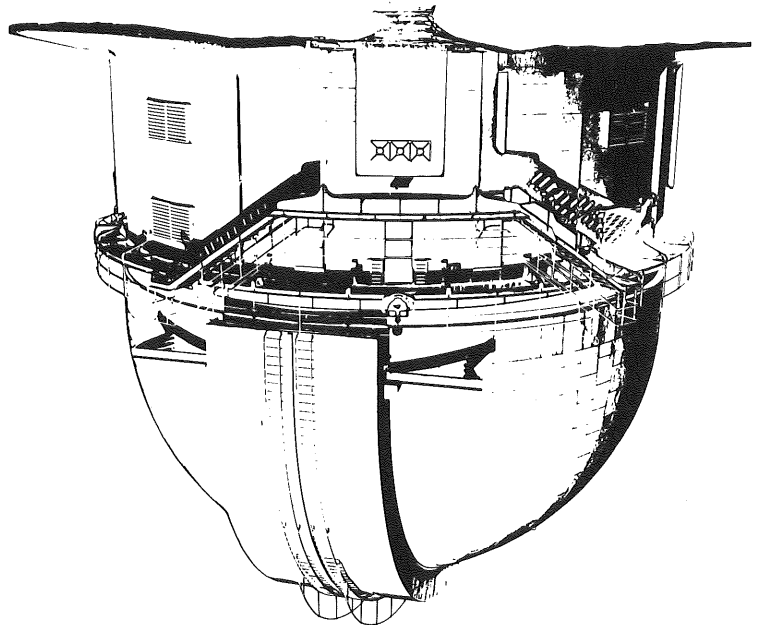
an inspiration for us all.

This Calendar is dedicated to the memory of Helen Sawyer Hogg, one of Canada's most respected scientists. Through her long career as an astronomer and teacher at the University of Toronto, Professor Hogg personified the very essence of what we endeavour to achieve as educators in Arts and Science. An internationally respected scholar, she was first and foremost a caring and gifted teacher. Even in her retirement, and indeed until her death in January 1993, she was an active role model and visionary advocate for female scientists. Helen Sawyer Hogg's life-long joy of learning serves as an inspiration for us all.

March 31, 1993

Vol. 26, No. 2

**THE DOINGS**  
DAVID DUNLAP



John Percy gave a guest lecture (on "Cosmic Evolution: Latest Developments") on February 12 to the School of Continuing Studies "Lunch and Learn" lecture series. This series, which is held in the ROM Theatre at lunchtime on Fridays, attracts an audience of over 200 people, mostly seniors. They are a most attentive and interested audience.

John Percy was in Cambridge MA on February 26 for a memorial service for Dr. Clinton B. Ford, long-term observer (65 years), secretary (40 years) and benefactor of the American Association of Variable Star Observers (AAVSO). On February 25, he was at the Center for Astrophysics to give a talk (on "Early-Type Variable Stars: Recent Developments"), and to discuss with the CFA Science Education Department the AAVSO's science education project "Hands-On Astrophysics".

### COMINGS AND GOINGS

Congratulations to Phil Kronberg on winning a 1993 Killam research fellowship. Phil was one of two U of T winners among 14 across Canada. The fellowship will enable him to devote two years full-time to research.

Joan Trygve informs us that she has a new grandson, Bryan Adam Topley, born on March 3rd (on the birthday of his great-grandmother) weighing in at 7 lbs 2 oz. Both mother and baby are well.

Peter Leonard (PhD, 1988) is also happy to announce the birth of Matthew Alan Leonard at 10:02 p.m. on March 18, 1993. He weighs 9 pounds 5 ounces, and is 21 inches long. Both the mother and baby are doing well. The addition of Matthew to Peter's family balances things out quite nicely; he now has two daughters (the oldest two) and two sons.

### CONGRATULATIONS

On February 9, McMaster University officially "re-opened" its planetarium, and named it after Professor William McCallion. McCallion, a long-time member of the mathematics department there, and a leader in adult education at McMaster and elsewhere, was responsible for establishing the planetarium four decades earlier; indeed, it was Ontario's first planetarium. The planetarium had a very successful career until a few years ago, when it fell into disrepair. Then through the efforts of Bill Harris, Doug Welch and others, the planetarium was revived and renovated, and equipped with a new projector on permanent loan from the Ontario Science Centre. Again, it serves thousands of students and members of the general public each year.

### POTPOURRI

K.-T. Kim (PhD 1988) was in town for a visit during early February. Home in Korea, he is now chair of his department of astronomy and space sciences. The department was founded in 1988 and now has four faculty members and an undergraduate intake of some forty students a year. Graduate courses are to be started soon. KT has also been executive director of the Korean Astronomical Society for the last two years. The Society currently has forty members, but the membership is rapidly increasing.

## HELEN SAWYER HOGG: A REMEMBRANCE

Helen Sawyer Hogg died on January 28 after a career at the University of Toronto that stretched back to 1936. The well-attended funeral was held at the Richmond Hill United Church on February 1, followed by interment at Lowell, Massachusetts, where Helen had been born 87 years earlier. Tributes to Helen the person, as well as to Helen the scientist, have poured in ever since, culminating in a memorial service at the University's Hart House conducted by President Richard on March 31. Here it was announced that the Faculty of Arts & Science and the Department of Astronomy are to establish the Helen Sawyer Hogg Distinguished Visiting Professorship, which will allow distinguished women scientists in astrophysical and related fields to visit the campus for short stays and interact with faculty and students.

Obituaries of Helen Hogg have already been written, and others will appear. Rather than write another, the Doings here offers an informal remembrance of Helen drawn from the many tributes, both verbal and written, that have been made. Some of these, mostly the verbal ones, have been paraphrased by the editor.

\* \* \*

During the first summer that I knew Helen she invited all the female staff and students of the Observatory to her home for dinner. After dinner she showed slides from some of her travels; in particular, some pictures taken on a trip to Samarkand in Central Asia in 1958. I was really shocked by some of those pictures; Samarkand looked like the end of the earth! When I look back on that evening I realize that Helen was showing us that women could have their own interesting and rewarding lives – a novel idea in the early 1960s.

- Christine Clement

\* \* \*

I was a summer research student working for Helen at the David Dunlap Observatory in 1960. Helen taught her young women students as much by example as by what she said. It is popular these days to worry about the problems young women scientists have with self-esteem. I don't recall anyone discussing lack of self-esteem in 1960; it was nurtured through contact with a supremely confident mentor. Helen gave interesting, concrete tasks to her students, tasks they were able to complete fairly independently over the summer. She was always encouraging, but allowed students to educate themselves at their own pace, a tactic that allowed her students to develop self-esteem naturally.

- Judith Pipher



I was beginning to have trouble finding ribbons to fit her old manual Royal 440 typewriter. We offered to buy her an electric one some years ago, but she would have none of it. She typed her own letters except those she wanted to look especially nice, for she was always very proper; I recall spending many hours trying to find the exact title for some dignitary she was writing to. She was a gracious lady and a great inspiration to all women.

- Joan Trygve

\* \* \*

On one visit to Victoria Helen took great delight in listening to the bells in our Cathedral. [On February 2nd] they were rung half-muffled in tribute jointly to Helen and Jeanne Sauve. I conducted a quarter-peal of 1316 changes of Grandsize triples – it took nearly an hour to ring.

- Alan Batten

\* \* \*

I remember Helen Hogg travelling hundreds of thousands of miles via airplane in the 1960s and 1970s, but never being too busy to send to her colleagues baby booties at the births of their children with the label inside: 'Hand knit by Helen Sawyer Hogg.' When Richard Feynman was asked by a student as to the most important skill to acquire, he answered Love. Helen had plenty of that. She was the professional woman who inspired me more than anyone else.

- Inge Juliana Sackmann

\* \* \*

Classerain observing, let it be said, was and is relatively safe and sensible. But observing at the Newtonian focus was a different matter. For all the long night Helen would work alone, perched in the cantilevered cage at the top end of Canada's largest telescope, high above the floor with everything below in total darkness. I remember going up to the empty Newtonian cage on one of my nights, and finding a very peculiar object on the floor of the cage. It was a rather substantial woman's handbag, with a firm clasp, and attached to it was a very long rope. I was mystified until it was explained that this was how Helen sent the exposed plate down to her husband Frank, and how she hauled up the fresh unexposed plate for the next shot. I wonder if the modern New Technology Telescopes deal as efficiently with problems of this sort.

- Don MacRae

\* \* \*

Helen Hogg is often held up as a role model to young women scientists, and rightly so. But it should not be forgotten that her sheer delight in and enthusiasm for her subject was as inspiring as anything; you couldn't help but become caught up yourself.

- Sara Seager



- Judith Pipher

And so I join other women scientists and students, professional and amateur, who pay tribute to Helen Sawyer Hogg today. We mourn your passing. We express our heartfelt appreciation for all you did, directly and indirectly, for our careers, for our lives, and for filling the important position of role model to young (and not-so-young) women.

\* \* \*

- Janet Mattei

It was in 1977 that Helen and I both attended a variable star meeting in Bamberg, Germany. It was one of my first meetings abroad and I was apprehensive. One afternoon she and I bought some pastries and walked around and admired the architecture, and then while we sat in the park and ate our delicious pastries we had such a wonderful time talking. Her friendship put me at ease, and I treasure and will always remember that day. Helen's love and enthusiasm for astronomy, her interest in people, her very caring personality, were truly special.

\* \* \*

- H. E. Devereux

Dr Hogg had very straightforward, understandable techniques for explaining the principles of the universe to the lay person. Her goal seemed to be to persuade the average student that he or she was quite capable of understanding the basics of astronomy. She gave us confidence and saw that that confidence was justified. She had no insecurities which might have resulted in her cloaking her science in mystery.

\* \* \*

- Frank Hawker

In the early fifties we had a lecturer, Bob Baglow, and a student, Bill Hossack (the department's first PhD), at the observatory. One day Bob brought in his child's waterpistol for Gerry Longworth to fix. On the pretext of testing it Bob got in a good shot at Bill. Next day Bill brought in his own waterpistol, and before long he and Bob were stalking each other around the observatory. Returning through the library from re-arming in the kitchen, Bill heard quiet footsteps coming down the corridor. Judging his moment, he suddenly leapt into the corridor, pistol at the ready, and in best G-man style squeezed off a shot which neatly caught Helen Hogg right between the eyes. No one knows who was more stunned. Helen, face dripping, could only say "Well, really, Mr Hossack!" Bill repaired to the workshop, where he gloomily wondered to Gerry what he would do with his life now that his PhD was washed up. But, in fact, nothing more was ever said.

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Fernie, J.D., *The period change of RT Aur: an update* David Dunlap Observatory, University of Toronto, 93-0304 19-Feb-1993.

Fernie, J.D., *A photometric search for new UU Her stars* David Dunlap Observatory, University of Toronto, 93-0320 23-Feb-1993.

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Fernie, J.D.; Lawson, W.A., *The pulsational nature of R Coronae Borealis: light and radial velocity variations during 1990 and 1991* David Dunlap Observatory, University of Toronto, 93-0323 23-Feb-1993.

January 26 to March 30, 1993

PREPRINTS BY FACULTY AND STUDENTS

PAPERS SUBMITTED

Dale (Frali)

Chers,

I have taken a position as an Assistant Scientist (tenure stream) at the National Radio Astronomy Observatory (NRAO) in Socorro, New Mexico. My wife, Ruth Milner (better known to you as SYSRUETH), also works at NRAO as the head of the Computer Division.

Don:

Nancy (Evans)

(The purpose of the IUE project is to determine temperatures of late B and early A stars in two open clusters. The other co-conspirator on the project is Gretchen Harris, but she and Bill were observing with the CFH that week.)

He is at Appalachian State University in Boone, North Carolina. From the student population of 11,000 they typically have 50 physics majors (all four years). He has recently finished building a spectrograph which will go on a new 36" telescope which will go into operation soon.

I had a very pleasant visit with Richard Gray last week, at Goddard Space Flight Center, observing with IUE.

Don:

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- Leonard, P.J.T.; Clement, M.J., *Why blue stragglers formed via collisions may not be rapid rotators* Los Alamos Ntl. Lab., 93-0311 22-Feb-1993.
- Li, J.G.; Seagust, E.R.; Wrobel, J.M.; Wang, Z.; Sage, L.J., *The molecular gas and star formation in IRAS bright early-type disk galaxies: I. NGC 7625* David Dunlap Observatory, University of Toronto, 93-0196 1-Feb-1993.
- Rouleau, F.; Martin, P.G., *Proximity effects in clusters of particles* Canadian Institute for Theoretical Astrophysics, 93-0372 4-Mar-1993.
- Simon, N.R.; Clement, C.M., *A provisional RR Lyrae distance scale* David Dunlap Observatory, University of Toronto, 93-0452 23-Mar-1993.
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