Gerry Longworth (1916-1985)
Don Fermie

Sincere condolences.

To his daughter, Lenora, and her family, we offer our

around the Observatory, some still in use.

the built and maintained, still to be found in nooks and crannies

friend. We shall remember him by the instruments and apparatus

we have lost an important link to the past, as well as a staunch

years, and remembrances of early days vividly. With his passing

Gerry was a staff member of the Observatory for forty-five

decades ago. His wife, Kay, died in 1983.

the house he had built with his own hands in Richmond Hill

many

since retiring four years ago Gerry had continued to live in

Gerry Longworth died of a heart-attack last July 30 at the age of

No doubt many of our readers will be saddened to hear that

Gerry Longworth (1916-1985)

- 2 -
To Brian Gleninning and John Harper on successfully passing their general
examinations on Friday October 11, and October 25, 1985 respectively.

To Dale Frail who completed the requirements for his masters degree with the
submission of his thesis entitled "A Study of the Physical Environment Surrounding
his star LSI +61°303" (abstract on page 10).

To Peter and Camille Martin on the birth of their third son Taylor Gordon
their first child, Alexander Gordon.

To Dave (Ph.D. 1975) and Rosalyn (S.C. 1973) Hanes on the birth of their
son named Andrew Geoffrey Loucks.

To Chris and Vicki Stagg on the occasion of their first child's birth, a
son named Andrew Geoffrey Loucks.

To the Gledinnings on the birth of their second daughter Laura Janet.

To Włodzimierz and Bozena Kazowski on the birth of their daughter Amanda.

POPEPOURI

John Perley spent August 16 - September 9 at the Ondrejov Observatory,
visiting the NRC group there, and the Czechoslovak Academy of Sciences.
His visit took place under the bilateral exchange agreement between NRC and
the Czechoslovak Academy of Sciences.

Dr. Pavel Kabaysky of the Ondrejov Observatory spent six weeks at DDO
starting September 23, under the same agreement.

Bob Garrison, Don Fermie and Helen Hogg attended a meeting commemorating
Dr. Henry Draper held in London, Ontario on October 23.
For the Opening of the Halley Shapley Exhibition

136 Benefit Street, Cambridge
American Academy of Arts and Sciences
16 October 1985, 7:00 p.m.
In the Fogg to a Centennial Dinner

American Academy of Arts and Sciences
Department of Astronomy
Harvard College Observatory

Preceded by Tea at 3:00 p.m.
17 October 1985, 3:30 p.m.
Phillips Auditorium

With Shapley's
Fred L. Whipple
Helen Sawyer Hogg
By
"Shapley Reunions"

Thursday Afternoon Colloquium / Symposium
Centennial Invites you to a
Harvard-Smithsonian Center for Astrophysics

Helen Hogg was recently back in Harvard as keynote speaker for the

Shapley Centennial, below is a reproduction of the invitation she received.
Meanwhile, don't plan any software development projects.

In the next couple of weeks, I have more to say, but I have to leave for Germany in 10 minutes. The current release date is advertised to be March, 1986.

The situation continues to deteriorate. The current release date is advertised to be March, 1986.

In the next couple of weeks, I have more to say, but I have to leave for Germany in 10 minutes. The current release date is advertised to be March, 1986.
Theoretical UVbyg Indices

Cepheids: New Photometric Reddenings for Northern Hemisphere

Estimated Companion Characteristics of Some Classical Cepheids

Radio Galaxies: 0634+20 and 3C445 (2221-02)

VLA and 100-m Telescope Observations of Two Giant

Photographic Measurements of Southern Double Stars

Orbit Mass Ratio and Parallax of 99 Herculis

Is Tau Cassiopeiae a Variable Star?

Basis Functions

Variational Calculations with an Improved Set of

Normal Modes of Oscillation for Rotating Stars

The Period of AG Regalae: Having Another Go

Spectroscopy Report

The Period of the Helium-Meak Variable Star HR 1063

The Slow Variables in the Globular Cluster Messier 10

PAPERS SUBMITTED

- 6 -
The following is the draft, prepared by John Hughes in which was left within the

continuing pool of funding that can be applied for on a specific project's merit.

The following items are presented in a specific order, a need for the specific order to be considered, this

chairman of the AAS (a well as John Ross (chairman of the AAS) and John Ross (chairman of the AAS) and

Can you provide more context or information about the document? It appears to be a draft or preliminary document, possibly related to a meeting or conference. The text contains references to various people and organizations, such as the AAS (American Astronomical Society), and mentions of tasks like preparing a specific order for applications. The text also includes some technical terms and abbreviations, such as AAS and PhD, which might be relevant to the context of astronomy or astrophysics.
Alex Patterson (fn)

I receive monthly newspapers in small unnumbered piles...
A Study of the Physical Environment Surrounding LSI+61°303

M.Sc. Thesis Abstract

by Dale A. Frail

The periodic variable radio star LSI +61°303 has been observed at 1420 MHz using the synthesis telescope at the Dominion Radio Astrophysical Observatory.

The purpose of this study has been twofold:

1. To monitor the flux density variations of LSI +61°303 in order to gain some understanding of the low frequency behavior of the source.

2. To study the physical environment surrounding LSI +61°303 in order to determine whether it is the progenitor of an SNR.

A new technique was developed to extract the flux density measurements of LSI +61°303 from the interferometer observations. The method was applied successfully at 1420 MHz. At 408 MHz LSI +61°303 was relatively weak (40 mJy), and only a marginal detection was made. The rising portion of the light curve at 1420 MHz was modeled well by an adiabatically expanding cloud of relativistic electrons. In the declining phase the simple model fails, requiring a somewhat more complicated system to reproduce the observed behavior.

A 36′ emission feature was detected surrounding LSI +61°303 at both 1420 and 408 MHz. On the basis of several arguments it is concluded that this extended emission is part of the thermal gas that joins the HII regions, W6 and W7.