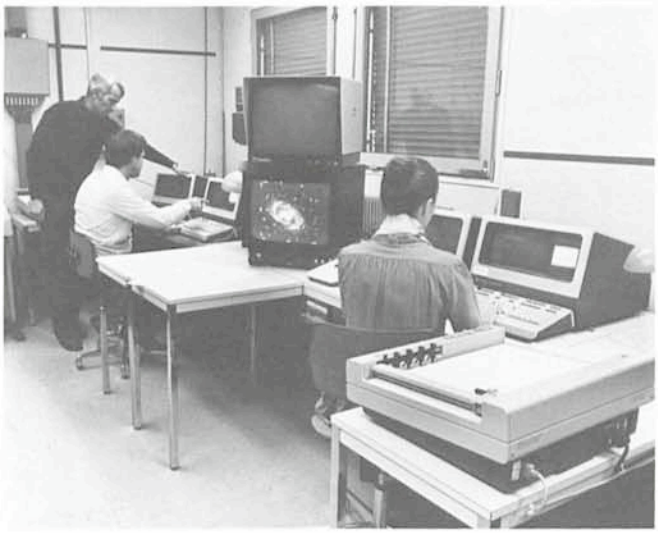


Fig. 3: *The ESO-Geneva image processing room (detail).*

possible to offer more extensive and better services. In the meantime, the development of the applications programmes will continue.

Scheduling and Availability

The measuring machines can be reserved up to 6 hours per day Mon-Fri between 08.00 and 24.00 and up to 30 hours per week. Weekends and the "graveyard" shift (00 to 08.00 hours) do not fall in these restrictions. Normally Thursday mornings are used for maintenance if needed. Visitors should request time at least two weeks in advance. The interactive computer reduction system is scheduled in a similar way except that only 4 contiguous hours per day can be scheduled and up to 24 hours per week. Tuesday afternoons are used for computer maintenance. These are the general guidelines but there is some flexibility if justified.

The procedure for requesting the use of these facilities is to write to the Scientific Group Secretary, Mrs. Renate van Doesburg, ESO c/o CERN, CH-1211 Geneva 23, Switzerland, and to specify the following: (1) Name (should be both the individual who did the observing and the one who will actually use the machines) and address. (2) Nature of the reductions (radial velocities of coudé plates, IDS reductions, astrometry on Schmidt plates, etc.). (3) Machines requested and time required. (4) Accommodations needed (CERN hostel (if available) 16 SFr./night or Hotel about 60 SFr./night or other). Visitors who come to reduce data obtained at La Silla may have their travel and subsistence paid by ESO. This support is normally limited to a maximum of the return travel cost and 5 days subsistence at 105 SFr./day. Observers reducing data obtained at la Silla and requesting ESO support should specify during which observing period their data were obtained. Other visitors should make a more detailed discussion of their project similar to an observing request.

It is the ambition of the ESO staff to provide excellent data-reduction facilities to the user community. This is not a one-way effort. Comments, complaints and, above all, constructive suggestions will be most welcome.

The 4 cm McMullan Camera for the 3.6 m Telescope

Klaus Klim, ESO-Geneva

The testing in Geneva of the 4 cm McMullan Camera for the 3.6 m telescope was completed by the end of September 1979 and it is planned to ship the camera to Chile in November where tests on the telescope will be performed.

The McMullan Camera for the 3.6 m telescope is similar to the camera used on the Danish 1.5 m telescope. A detailed description of the tube and its specification can be found in *Messenger* No. 17: Collaboration on the use of the 4 cm and 9 cm McMullan Electronographic Cameras at the Danish 1.5 m telescope.

The system for the 3.6 m telescope is composed of 3 parts:

— Control Cubicle,
— Camera Unit,
— Cable, vacuum-line and N_2 supply tube.

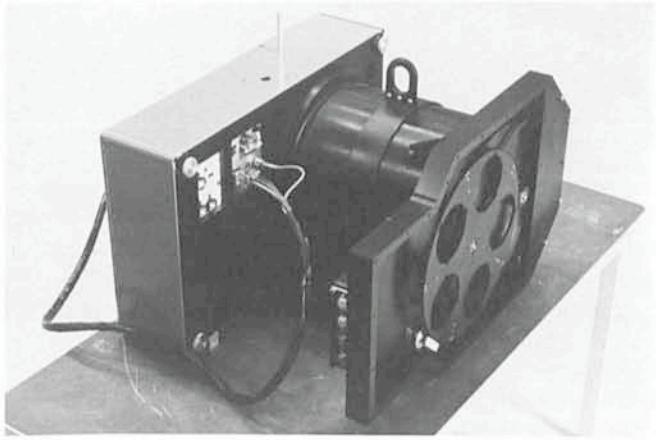
In order to facilitate operation and to increase reliability, it has been decided to install the Control Cubicle in the Cassegrain Cage and to leave the cable permanently on the telescope structure.

This will avoid damage to the vacuum-line which can have a disastrous effect on the tube. The Camera Unit is normally stored on the platform and mounted on the Triplet Adapter for operation (see *Messenger* No. 16).

The Camera is equipped with a filter-wheel and a shutter. The filter-wheel has 5 positions.

Available filters are:

Filter	Composition
U	1 mm UG2 + 5 mm $CuSO_4$ (100 %)
U'	1 mm UG11 + 2 mm BG38
B	1 mm BG12 + 1 mm BG18 + 2 mm GG385
V	2 mm GG495 + 1 mm BG18
R	2 mm OG570 + 2 mm KG3
I	2 mm RG9
Clear	UK50 or UBK7



The 4 cm McMullan Camera for the ESO 3.6 m telescope.

The filter-wheel and the shutter can be controlled either by means of a Handset mounted on the Camera Unit, or through the Triplet Control Panel. The "Load" and "Unload" procedure of the film can be started by the Handset or at the Control Cubicle in the Cassegrain Cage.

The first test period on La Silla will commence on 1 December 1979. The primary task is to test all mechanical and electronical connections to the Triplet Adapter. Thereafter follow acceptance tests of the tubes both under darkroom conditions and with the camera mounted on the Triplet Adapter.

Scheduled release date for the 4 cm McMullan Camera is 1 April 1980.

PERSONNEL MOVEMENTS

ARRIVALS

Geneva:

Jean PAUREAU (French), Mechanical/Cryogenics Engineer, 1.12.1979

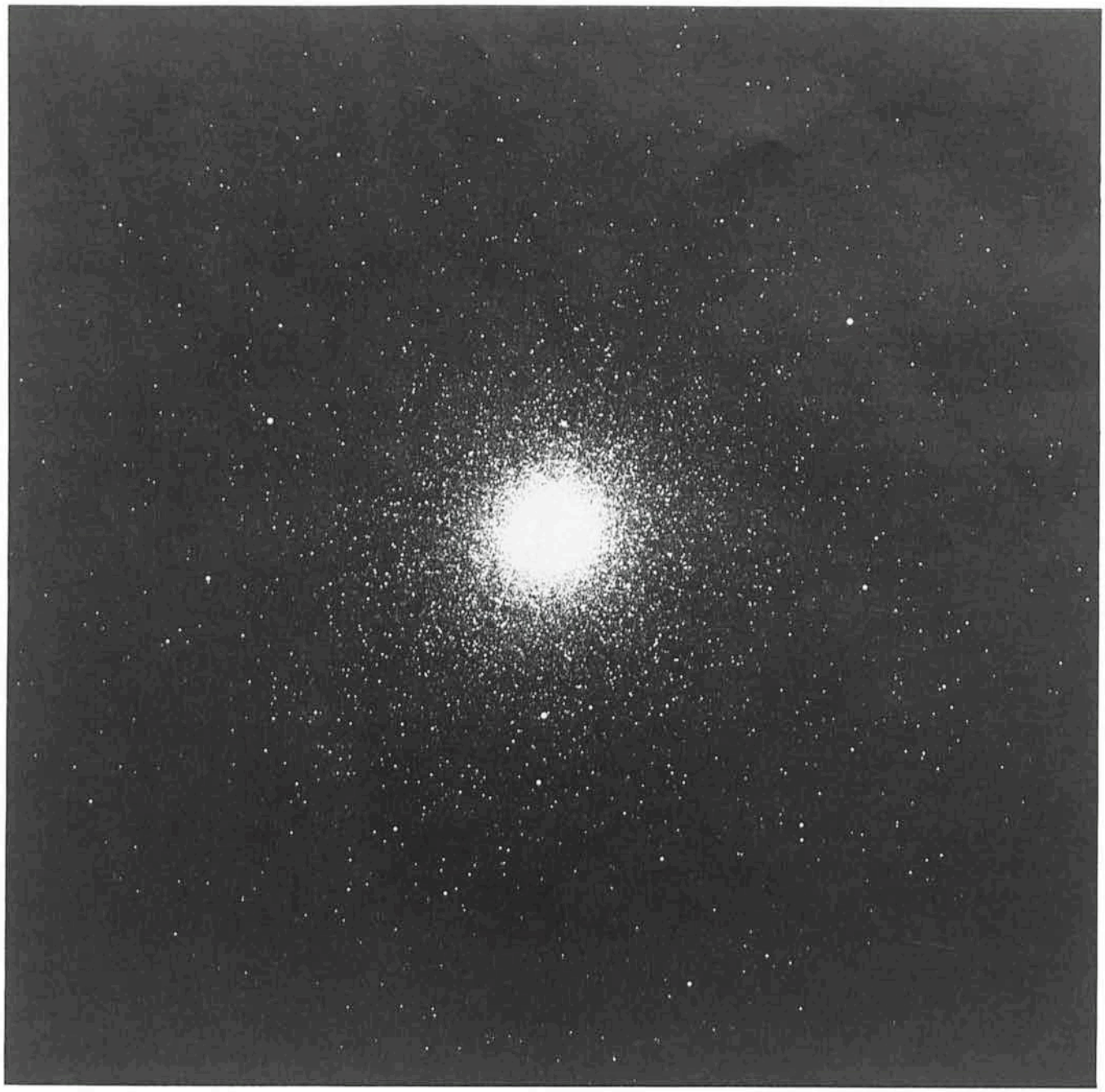
Garching:

Ruthild GRÖGER (German), Junior Secretary, 1.10.1979

DEPARTURES

Geneva:

Bernard AMRHEIN (French), Electronics Technician, 31.1.1980



One of the first test exposures obtained with the triplet at the prime focus of the ESO 3.6 m telescope. It shows the well-known southern globular cluster 47 Tuc. Exposure time 15 minutes on IIIa-J emulsion; no filter; blue corrector. Observer: M. Tarenghi.