



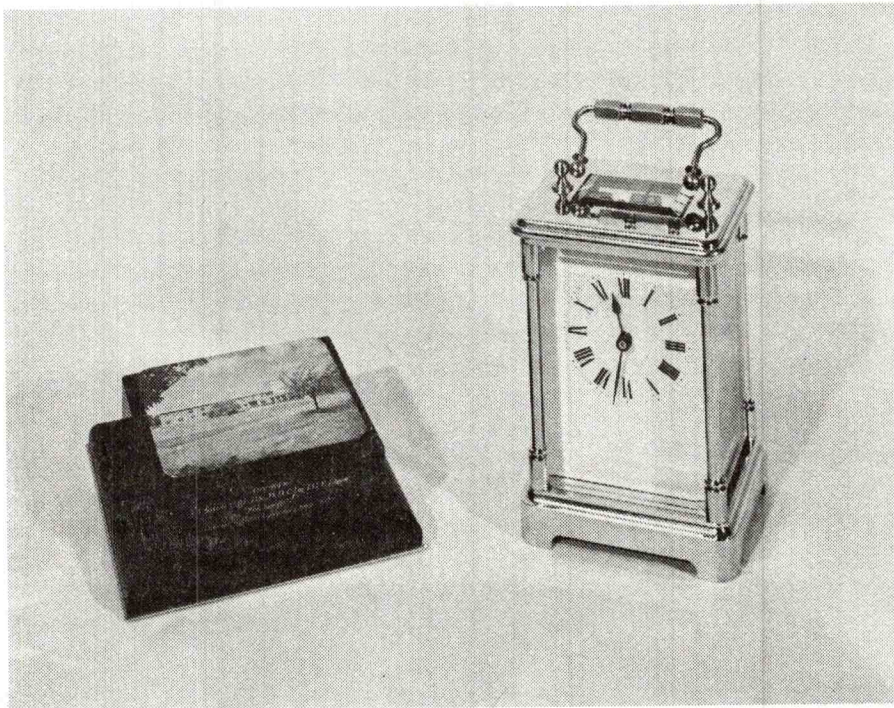
APPLETON LABORATORY NEWSLETTER

Illustrated Issue

Pictures on the occasion of Dr. Saxton's retirement



Dr. Horner presents a Carriage Clock on
behalf of the Laboratory staff



Dr. Saxton's Presentation Clock

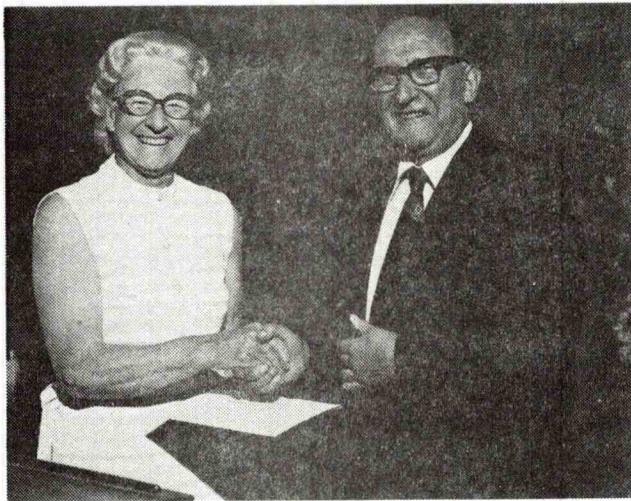
The idea of producing a high grade clock from what was a "scrap" movement came from Fred Salter, the Workshop foreman whose hobby is horology. The precision movement in Dr. Saxton's clock originated in an old laboratory wall clock, by Elliott of London, makers of bracket and presentation clocks. The original balance was replaced by a jewelled compensated balance and the round side plates were replaced by rectangular side plates to suit the style of the clock envisaged. The front gearing was modified to suit new hands and some bearings were modified to give greater precision. The clock case configuration is based on a French carriage clock made in the early 1920s but was modified to produce a more elegant appearance. The glass panels were specially cut and polished to fit the case.

The dial presented most problems. Modern clock faces are often screen printed onto painted metal sheet. An antique carriage clock has a fired enamel dial. This clock's face was made by photographing an old clock face, tracing a print to produce a clean image, photographically reducing the tracing to the required size, printing on to a stable base, sticking the print to a metal plate and heat sealing.

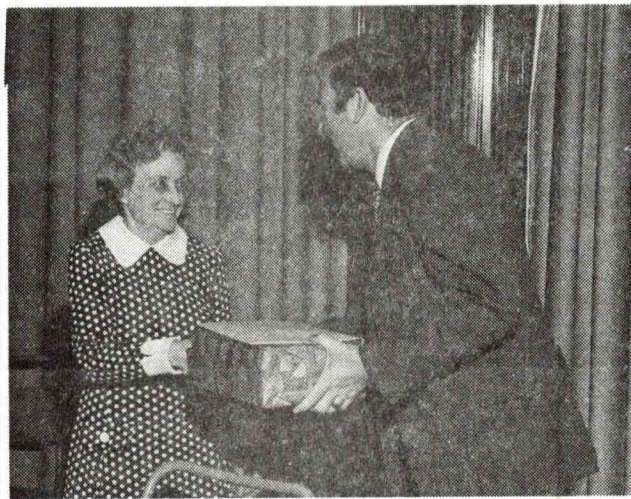
The plinth, made of black perspex, machined and polished, carried the inscription on the front and a picture of the Laboratory on its top surface. The design of the inscription and plinth originated in the Drawing Office. The inscription and picture were produced by a photo-etching process on black anodised aluminium sheet by the Photographic Section. The metal parts of the case are gold plated.

The ceremony - and after

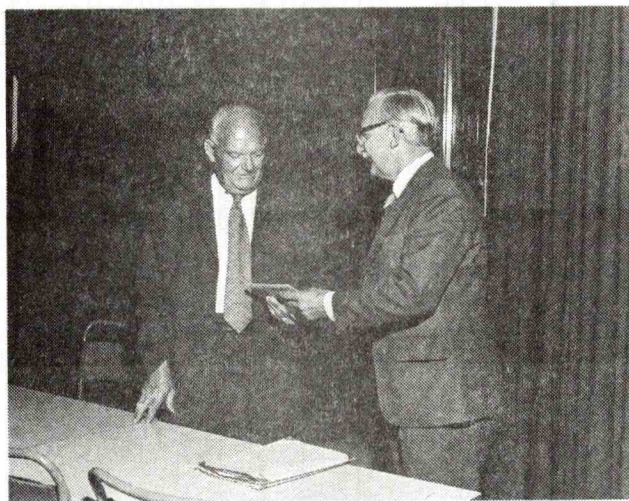




Miss E. M. Cottenham



Mrs. Q. M. Sams



Mr. J. C. Butler

Retirement of Miss E. M. Cottenham

Enid arrived here in 1942 to take over the duties of our van driver who had been called up for military service. In those days there was no official car and the van was used for a multitude of purposes, the most important being the conveyance of experimenters and their equipment to suitable sites for field work. During her spare time she had shown an interest in the ionospheric analysis work of the Naismith group and when the war ended she joined them in the analysis of ionograms and the preparation of h.f. prediction charts for organisations such as the B.B.C. and Cable and Wireless. She became established as a Scientific Assistant in 1949, after taking a 'crash' course in the art of soldering and wiring up circuits, a necessary requirement, apparently. Promotion to Senior Assistant followed in 1953. Her ionospheric work proved invaluable when in 1957 she became responsible for the setting up of the World Data Centre for the Ionosphere (later to include rocket and satellite data) in the European sector. Thanks mainly to her efforts, our Data Centre, which is one of four throughout the World, has acquired a world-wide reputation for efficient handling of information. In addition, she has been active in the Station - and area - welfare work, best summed up in the words of one of her grateful male patients 'Cottie's far better than any of the men we've had'.

During the past year three events have brought her great pleasure. The first, a surprise presentation from the 'old girls' of the Station, the second her official presentation when she was given a cheque to buy a painting for her future abode, and the third her attendance at the Royal Garden Party at Buckingham Palace. On this happy note we wish her good luck in her house hunting and a happy and active retirement.

R.W.S.

Retirement of Mr. J. C. Butler

Many Staff were present to witness the presentation to Mr. J. C. Butler and add their personal good wishes to the more formal ones expressed at the ceremony.

Jim Butler has been seven years a member of the Laboratory Staff. His earlier work was with Pollock Bros., a firm he joined over forty years ago, remaining with them until 1970, save for the War years, when he saw service with the Royal Artillery.

All who know him, and his duties have made him a cheerful, familiar figure to a great many here, wish that he may enjoy a long and happy retirement.

G.W.G.

Retirement of Mrs. Q. M. Sams

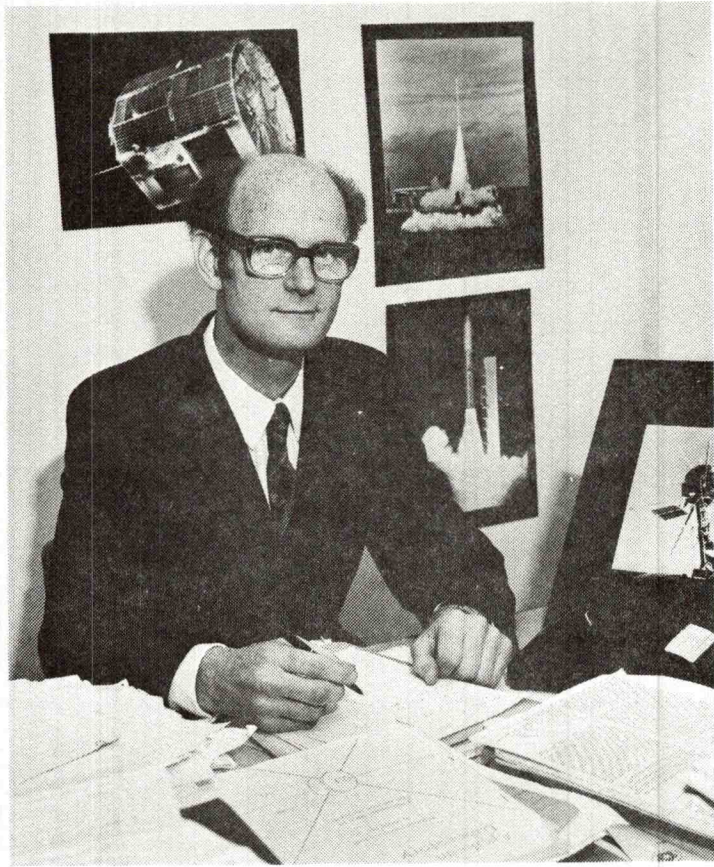
Queenie Sams joined the Radio Research Station in 1963 as a temporary typist, after having run the "Morning Star" public house in Datchet for some years.

In 1965 she was promoted to Clerical Officer and moved to Finance section, where she worked on purchasing until 1974. In that year she moved to Accounts section where she was responsible for suppliers Statements. She stayed in this job until her retirement in June 1977. During this time she dealt decisively with many complicated queries, setting straight a few firms' records for them in the process. ICL in particular gave her many headaches but were "sorted out" in the end.

During her time at the Laboratory she was an active member of the Civil and Public Services Association and was Secretary of the local branch for some time. She has also always taken a keen interest in painting and often spent her leave on painting holidays.

The Finance and Accounts sections are not the same without her bustling presence and chirpy voice. We wish her a long and happy retirement and hope that she enjoys her extended 'painting holiday' for many years.

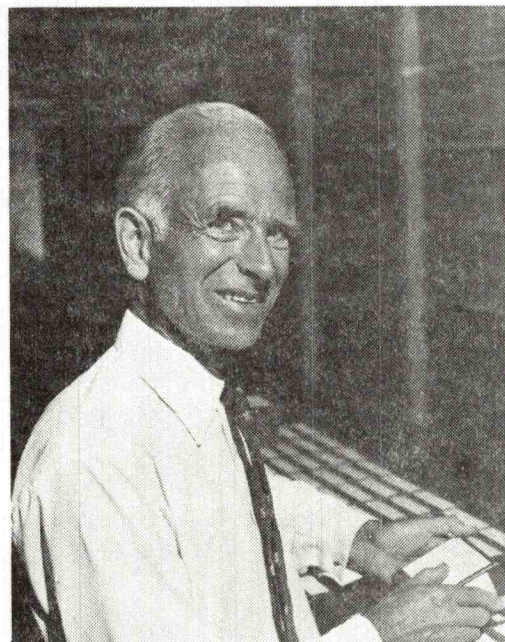
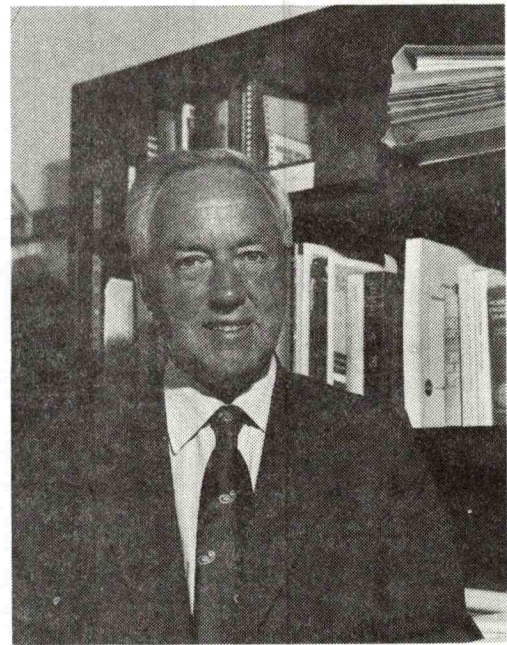
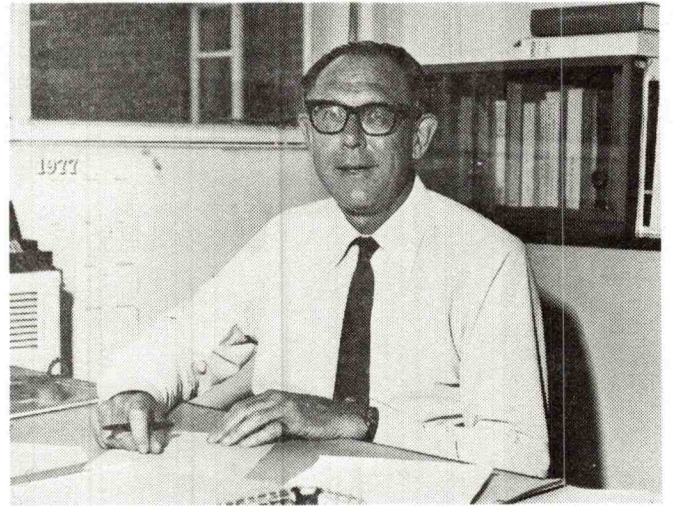
D.S.



Mr. J. Smith, O.B.E.



Presentation of the B.E.M. to Mr. R. D. Prince



Jubilee Medallists

Mrs. R. Bigland
Dr. E. Bramley
Mr. I. Eyre

Mr. V. Harrison
Mr. R. Smith
Mr. R. Tucker