

## International visitors



don



hermann



earl

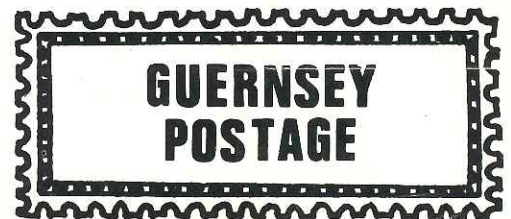


tom

Last October an Office of International Operations was established in Portland. The office consists of those in Beaverton responsible for administration of foreign operations and includes personnel in permanent and temporary assignment to overseas duty from both domestic and foreign installations. In January two of the managers in this administration were in Guernsey. Don Alvey, International Marketing Manager and Hermann Harri, International Finance Manager were here for talks with Bob Gwynn, Frank Doyle and the other Guernsey Managers, along with Tom Maclean, Operations Manager of Tektronix Holland N.V.

The other member of the new administration, Earl Wantland, International Manufacturing Manager, was not on this visit. Nevertheless he is a regular visitor to Tektronix Guernsey, and well known to many of the staff from the days when he held a position in our operation.

There have also been several visitors from the U.K. recently. Our U.K. supplier of precision resistors, Welwyn Electric Limited, sent four of their staff over for discussions with our engineering and purchasing departments on current problems. Other visitors were from valve supplier Mullard Limited and the N.S.F. Company who supplies a great many of the local purchase switches used in Guernsey made instruments.



The story of Postal Services to this Island is so varied and interesting that it would take a volume—and indeed it has—to recount it in detail. All we can hope to do here is to enumerate some of the more interesting facts of mail carrying (up to 1836) and the attachment of stamps and carriage labels up to the present time.

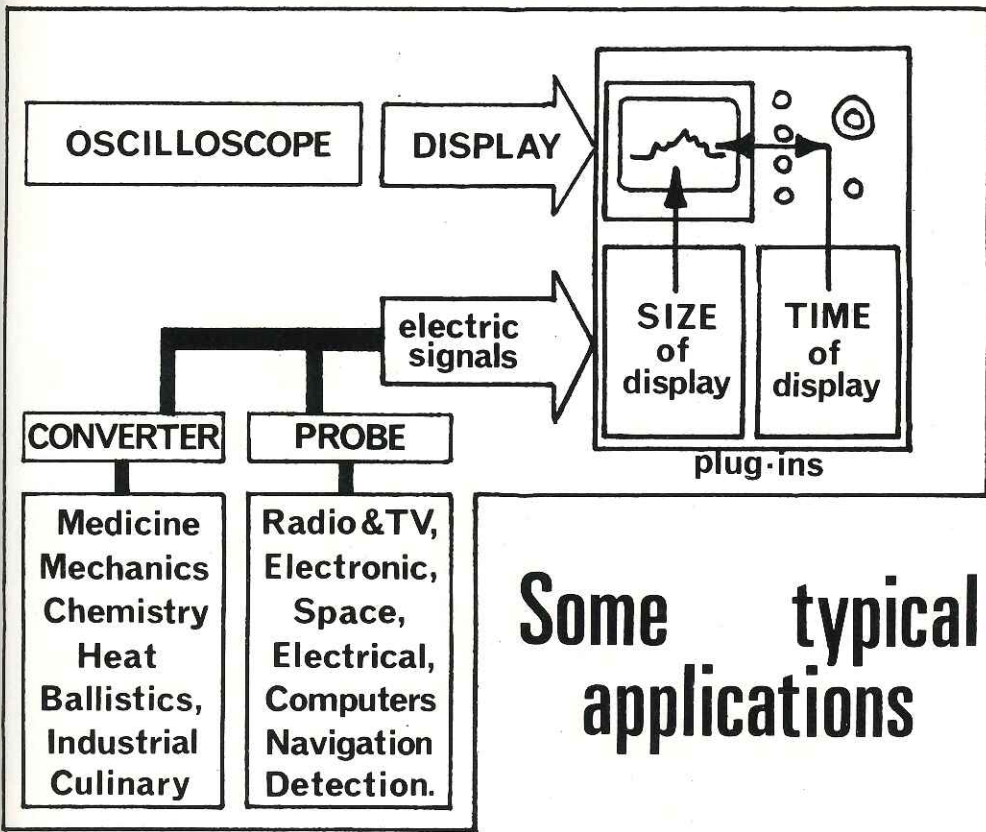
Prior to the establishment in Guernsey of a British Government Post Office, communications with England were slow and infrequent. In the 17th Century ships often put out from Southampton and had to return, due to storms, fear of raids, and strife amongst crews, who themselves had to resort to smuggling to supplement their meagre wages.

Charges about this time were 5d. per letter (a single sheet) from London. In 1791 the British Post Office surveyed the mail to the Channel Islands, found it to be some six hundred letters per week and decided it wasn't enough to warrant a regular sea service. The picture soon changed and in 1794 an official sailing ship packet service was established and Weymouth became the packet boat station, much to the chagrin of a certain Mr. Nicolas Robilliard. This gentleman had been carrying on a very profitable pirate mail service from Weymouth prior to this date.





The How, Why and When of Oscilloscopes .. part 3 . WHEN ?



# Some typical applications

## Television

Fault-finding is made easy with instruments like the 524AD. As you know, a television picture is composed of a number of horizontal lines. Each one of these lines is made up from a complex electrical signal. This signal is displayed on the screen of the 524AD. The instrument will also show the waveform of one complete picture or frame as it is called, and any errors corrected. Research into colour T.V. has been greatly assisted by the use of Tektronix Television Oscilloscopes and Waveform Monitors.

## Medical

Instruments (like the 502A and 545B with E-unit) are very widely used in this field. Minute electric signals exist within the human body. The brain sends messages via the nervous system to various parts of the body—these can be picked up, magnified and displayed visually on a CRT. Other signals, such as the pulses generated by the heart can be converted from mechanical to electrical quantities and similarly measured. Some of the techniques used here are quite fascinating, such as measuring the individual responses from the nerves at the back of the eye and producing a TV picture from these signals—the screen shows exactly what the eye sees.

If you wish to know more about the uses of our instruments in any of the areas shown in the diagram, please let us know and we will be only too pleased to print further details in subsequent issues of Tektopics.

An oscilloscope displays electrical signals. This does not mean that the instrument can only be used to make measurements in electric circuits. Anything that occurs in life—light, heat, sounds, pressures and other mechanical forces—can be easily converted into electric signals, enabling them to be measured on the screen of an oscilloscope.

The diagram at the head of the page shows how these signals are channelled to the 'scope and where they come from. We will discuss some of them in detail.

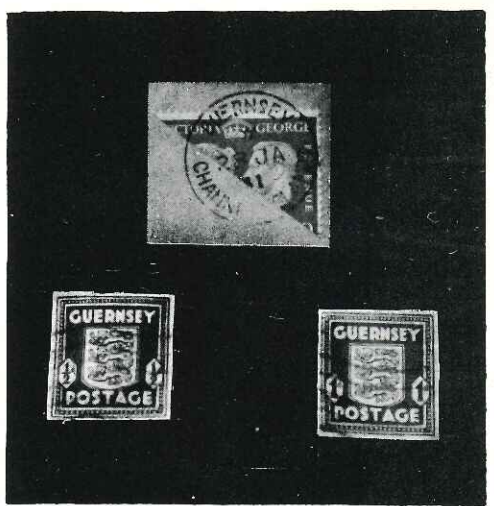
\* \* \*

## Space

The 545A on this page is being used by technicians to ensure that the satellites' systems are working perfectly before it leaves the launching pad.

A certain satellite once developed an internal defect in orbit around the earth, preventing signals being sent back. It was worked out by the scientists that the defect could be remedied by remote control, if a special pulse could be transmitted to the satellite. For this purpose, units of the 160 SERIES were used to form the pulse, which was then fed to the satellite. It did the trick and the fault was rectified.

In this case, the 160 SERIES GENERATORS proved to be of use in an application very different from that for which they were designed, namely, the formation of pulses for use in surgery or medical research.



## postal history

... continue

Postal rates slowly increased until about 1820 a single sheet cost 1/1d. from London, any doubling up, or enclosures cost much more. Charges were *always* paid on receipt.

The two boats which ran once a week were supplemented by a third in 1807, from then on two sailings were made a week. Average time taken for a letter from London to Guernsey was just over seven days. In February 1794 a Post Office Surveyor came to the Islands to appoint a Post Master. Our first Postal Official was in fact a Post Mistress, Mrs. Ann Watson, who held the position for some fifteen years and was succeeded by her son. Her Post Office was in the High Street in St. Peter Port on a site now occupied by Tylers Boot Shop. It is probable that her pay was £50 per year. Initially all letters had to be collected from the Post Office.

In 1824 steam paddle ships owned by the Post Office started a service to the Islands. This brought the time to carry mail to London to three days (this was only proved when Air Traffic was introduced to the Islands) and proved a major step in the breaking of ties with France, causing increased use of the English language, and more commercial contact with England. The Napoleonic Wars hastened this state of affairs. (During these wars the first hand stamps "on service" were used on letters carried at no charge).

Letter carriers for St. Peter Port and St. Martin were enlisted in 1830 and paid 5/- per week, but initially there were only two deliveries per week. 1830 also saw the first use of the 'Guernsey' date stamp and it has been in use right up to this day for normal mail (instead of 'St. Peter Port'). 1836 saw the introduction of prepaid 1d. post in Guernsey followed by the attachment in 1840 of Rowland Hill's famous "adhesive labels" or postage stamps.

\* \* \*

Further instalments in the history of postage in Guernsey will be published in the next edition of Tektopics.

We wish to express our thanks to Mr. J. M. Y. Trotter, librarian at the Priaulx Library, for help in preparing this article.



# NEWSREEL

Whilst Guernsey battled through some very rough weather last month, our colleagues in Portland have been having a ball. The week before Christmas Arctic cold conditions sent temperatures skidding to 5 degrees above zero. This was followed by high winds and 5in.—6in. of snow. The temperatures then soared to over 60°, which coupled with continuous heavy rain caused extensive flooding. Although no Tektronix property was damaged several employees were involved manning rescue operations.

Ruby De Jersey (Canteen) has extended an invitation to all Tek employees to a celebration dance to be held at Grandes Rocques Hotel on Monday, 22nd February. The dance is to celebrate Ruby's silver wedding. Tektopics sends her hearty congratulations.

There were many enquiries about the photograph of the last Tektopics. It was Les Côtis Nursing Home, St. Peter Port and the picture was taken by Carel Toms.

Many strange messages appear from the depths of the telex machine, for instance this cable was received recently by one of Tektronix Limited Field Engineers before setting off for the Middle East. "PLEASE BRING TEN EACH R336 309-268 C832 283-034 FOUR 545A DOWN. ALSO TWO BOXES STREPSILS, KIDS DOWN."

Some notable additions to the range of Tektronix instruments were announced from



NEW INSTRUMENTS



Beaverton on February 1st. We picture two of them here, the type 422 DC-15 Mc/s Portable Oscilloscope and the type 114 Pulse Generator, showing the new format employed.

Several people in Tektronix are interested in forming a group to produce an entry for the 1965 Battle of Flowers. If you are willing to help this venture in any way please get in touch with Roy Perry at Albany or Peter Bott at La Villiaze.

The Tektopics Stamp Club is now going great guns with contributions coming in from the U.S.A. and Australia, and it is hoped in the near future, from all parts of Europe. Any Tek employee or member of their family can join in this world wide stamp swapping just by contacting Tektopic's Editor Roy Perry.

Oops! In the October 1964 Tektopics a photograph of Mt. Hood, near Portland, carried the caption "only mountain in the world which has all year-round ski-ing". Wife of International Finance Manager Hermann Harri, spotted this and hastened to point out that Switzerland boasts all the year-round ski-ing too.

Tickets for the 1965 Derby draw are now available. Most S. and S.C. members will have received some to sell by now but PLEASE do not give up when you have sold them, get lots more from Al Lambourne. Remember if you sell the winning ticket or the most tickets you get a prize too!

## social



## sports

The Sports and Social Club's next dance will be held at the Hermitage Hotel on Friday, 1st March. This will be a swinging "Teen & Twenty Dance". Members are reminded to watch the notice board for further announcements of social and sporting fixtures.

The Committee have recently enquired about the running of Bingo, Housey Housey or Tombola sessions, but have been informed by the police that such things are illegal to play in the island.

Many may be interested to know that enquiries are being made about hiring a club room for coming Winters. At the moment most indoor activities are being held in various locations and there is a need for a single hall with facilities to hold both sports and social events. One possible location is La Jaonneuse (formerly Pembroke Tearooms). Here there is ample room for most of our activities and parking is no problem. The committee is currently negotiating with the owner regarding running costs. More information will be available later.

Doug Eley (Purchasing) did well recently to get into the final of the Guernsey Badminton handicap singles championships. Doug played well and beat three opponents to get into the final. This he unfortunately lost. However, with Carole Hancock, he went on to win the final of the Class B, Guernsey Badminton handicap mixed championships.

Recently, quite a number of people have shown interest in starting a .22 rifle club. After looking into this possibility, it was found to be rather expensive to equip oneself with rifle and telescopic sights. The cost would be in the region of £40, apart from the cost of hiring or finding a suitable rifle range. Ron Duncan enquired of the Guernsey Rifle Club (of which he is a member) and came up with an interesting answer. Tektronix employees can join the club and in all team events shoot under the name of Tektronix. It would cost 30/- per season (September to the end of April) to join the club. Members have the use of club guns and telescopes free. The only other expense incurred would be that of ammunition purchased on club premises for 4/- per 50 rounds, plus a charge of 3d. per shoot on the club range. Apart from the enjoyment of this sport, there are plenty of trophies to be won in various competitions. Contact Ron Duncan (Stock—La Villiaze) for more details.

Table tennis enthusiasts are reminded that the second half of the 1964/65 season has now begun. Club nights are on a Monday at the Forest Hotel. Although this section is not represented in a league, friendly games are organised against other clubs. Support for this group is lacking at the moment and new blood is always welcome. The club have recently purchased a new table and members are allowed to participate in this sport free of charge.

Apologies to the snooker section who are in fact playing in the 1st Division of the Business House League and not in the 2nd as we stated in our last edition.

Freda Besnard "Skipper" of the ladies' bowls team, extends a big thank you to the ladies who gave their support during the past season. Although the team didn't do so well they did have a lot of enjoyment. It is hoped that a few more ladies will join for the coming season, as two teams would like to be entered in the league. If you are interested but haven't played before don't be deterred as there is always someone ready to give you a helping hand. There is also a trophy to be won by Tek ladies, which is well worth winning. At Saturday afternoon bowls drives you can win a silver spoon. So come on ladies if you want to know more, ring Freda at La Villiaze,

The Angling section which was formed last year recently held its first A.G.M. As no official records for the previous season were kept, the meeting opened with a general discussion. During the meeting a new committee was formed. Barry Le Feuvre was elected as secretary. Ron Snell and Tony Shepherd will help organise and run the section. Peter Sirett will keep a diary of catches and all events. Notices will be forwarded to each member of fixtures decided upon at this meeting. Any other employees interested in joining this section are asked to contact one of the above.



# statistics

# small ads

## new employees

Frank Richards ..... Final Assembly  
 Carol Smith ..... Mech. Assembly  
 Sylvietta Doherty, Anne Le Vallee,  
 Rosemary Arnold, Altina Dodd,  
 Desiree Parsons, Jean Plummer,  
 Pamela Robins, Diana Gaudion,  
 Kathleen Parsons, Shirley Taylor, Unit Wiring  
 Margaret Dawson, Edith Duquemin,  
 Sandra Newsom, Daphne Placzek ..... Cables  
 Susan Parsons ..... Mech. Assembly  
 Janet Fozard ..... Kit. Prep.  
 Mavis Abbott ..... Tektronix Ltd. Cust. Svce.  
 Shirley Harris ..... Tektronix Ltd. Reception

## births

To Jean (Unit Wiring) and Brian Torode (Final)  
 on 12th January, a daughter, Theresa Ann,  
 5lb. 6oz.  
 To Ron (Accounts) and Ann Bridle on 23rd  
 December, a son, Jonathan Ronald Lucien,  
 7lb. 5oz.

## five year Tek

JULIE DEAN, Victoria Avenue, Canteen,  
 11/1/65.  
 MO LE GALLEZ, Tektronix Ltd., Shipping  
 18/1/65.  
 PETER FULWELL, Secretary and Accounts  
 Manager of Tektronix Ltd., 1/2/65.

## ANSWERS TO THE CROSSWORD IN THE LAST ISSUE.

*Across:* 1 Christmas Pudding, 7 Ski, 8 Santa  
 Claus, 10 Knell, 11 Reality, 14 Sloe, 15 Eric,  
 16 and 17 Fairy Lights, 20 Den, 21 Dole, 22  
 and 31 Yule Log, 25 Acorn, 28 and 27 Christ-  
 mas Tree, 29 Careworn, 30 Ale, 32 Sup, 34  
 Slave, 36 Spliced, 37 Mistletoe, 39 Party, 42  
 Paradise, 44 Needless.  
*Down:* 1 Cost, 2 Raisin, 3 Sainly, 4 Mona, 5  
 Seal, 6 Digs, 9 Carol, 12 Ace, 13 Inedible, 18  
 Indestructable, 19 Holly Berries, 23, Lambs-  
 wool, 24 E.C., 26 Old Man, 32 Salacious, 33  
 Paved, 35 Sleep, 36 Satiated, 38 Impair, 40  
 Span, 41 Isis, 43 And.

## DID YOU KNOW YOUR ISLAND?

- 1 Peter Paul Pugin, son of church archi-  
tect Jarvis Pugin, in 1899.
  - 2 Place for salting fish.
  - 3 Single pole across a field entrance.
  - 4 Vale.
- A, Vale Church,  
 B, Bordeaux Harbour,  
 C, Le Dicqs, near Houmet, Vale,  
 D, Vale Church.

## wanted

PAINTINGS, drawings or old calendars show-  
 ing wildfowl of any description.—Peter  
 Bott, Unit Wiring.  
 TABBY KITTEN, must be well marked, with  
 white bib and paws.—Contact Ron Stan-  
 ford, Facilities.  
 TWO Drop-side Cots required.—Apply Peter  
 Bettell, Tektronix Ltd., E. Block.

## accommodation

TO LET, Bedsitting Room.—Further details,  
 Personnel, Victoria Avenue.

INVESTMENT PROPERTY for Sale. "St.  
 Clive," Cornet Street, comprising one 5-  
 roomed flat, two 2-roomed flats, occupied  
 (at controlled rent). All services, £1,250  
 Freehold or £1,050 with 8 rentes (£8 per  
 year).—Contact Tom Jennings, Staff  
 Engineering, La Villiaze.

## for sale

DEAN CORONET Wash Boiler, £8.—Joan  
 Dorey, Unit Wiring.  
 WHEEL and Tyre complete, 4.50 x 17, as new,  
 £2; T.V Ekco 14in., £4.—Alf Bichard,  
 Printing.  
 CAPRI SCOOTER, good condition, £30.—Joan  
 Clarke, Reception, Victoria Avenue.  
 TRIUMPH Tiger Cub 200 c.c., £35 o.n.o.—Roy  
 Gilman, Staff Engineering.  
 PALE BLUE foam backed Coat, fit girl  
 5ft. 2in., as new.—Reception, La Villiaze.  
 PHILIPS 4-speed Portable Transistor Record  
 Player, £5.—Alan Mariette, Final.  
 HUMBER HAWK, 1958 model, very good con-  
 dition, seats six adults in comfort, new  
 battery and tyres, £135 o.n.o.—Apply  
 Norma Archer, Capacitor.

## TEKTOPICS is produced by and for employees of Tektronix in Guernsey.

This edition was prepared by Roy Perry,  
 John Mann; Peter Bott, Don Brook and Mar-  
 garet Benoit. Further help came from Rose  
 Le Masurier, Jack Moffatt, Shirley Duquemin  
 and Valerie Kanduth.

Paramount Press set the type and it was  
 printed by Guernsey Lithoprint.



An article appeared in an Oregon Ne-  
 paper a short while ago which caused a  
 considerable interest. It concerned Guernseys,  
 not the kind you milk but wear.

"Unlike the unfortunate word "jersey"  
 which sadly has come to mean any sleazy and  
 meretricious tubular combination of synthetic  
 fibres, the Guernsey has remained traditional  
 and distinct. It is a sturdy garment of exact  
 style worn only by an enlightened elite, which  
 includes Prince Philip.

This may help to convey the fact that the  
 Guernsey may well be the most remarkable  
 sweater in the ancient or modern world. For  
 one thing, it is virtually indestructible. In the  
 Island the children grow up in them, and since  
 they never wear out they are passed from  
 older brother to younger brother. In fact they  
 are passed from older brother to younger sister,  
 for although they were invented as a man's  
 sweater there is no significant doubt that in  
 many cases they look better on girls.

Indeed the idea of the Guernsey is so well  
 conceived and so traditional that no one would  
 think of altering either the style or the colour  
 for feminine wear. It just isn't necessary, its  
 straight-line construction is the same fore-  
 aft, which only adds to the basic charm. It  
 also adds to its practicability, making it im-  
 possible to put on backwards.

Stated in purely technical terms it is made  
 of sturdy four or five-ply hard worsted yarn of  
 deep Navy blue. In the days of iron men and  
 wooden ships a Guernsey was knitted lovingly  
 but desperately on 10 separate sock needles but  
 now as a slight concession to modern times  
 they are knitted more easily on circular needles.

The superlative features of this garment do  
 not end with its looks, toughness, and adapt-  
 ability. In addition, it does not have to be  
 dry cleaned. Guernsey owners wash them in  
 soap and water without much fuss. And to  
 further astound the modern citizen who auto-  
 matically expects everything to disintegrate in  
 the rain, the Guernsey is virtually waterproof.  
 It is knitted tightly and the yarn is treated  
 gently and indetectably with oil.

Completely hand knitted, they cost only  
 about five or six pounds, depending on the size,  
 which comes to around fifteen to eighteen dol-  
 lars. Not unreasonable for the lifetime of a  
 garment.

So if you see someone wearing a low hip,  
 high neck traditional garment of blue worsted  
 yarn you could not possibly describe him as  
 wearing a sweater. He would be wearing a  
 Guernsey."