

Tek Trampers Raise £600

Another magnificent effort in aid of charities by Tek employees at Hoddesdon has raised a sum which is expected to exceed £600. This time it was a Walk organised by Sharon Barnes. The money will be used to buy special clothing for use in conjunction with the new Clean Air System at Hertford County Hospital. See Page 4 for full details.

Events organised by Tektronix employees at Hoddesdon have raised more than £2,000 (including a contribution of £620 from the company,) for charities since July 1980. Such is the enthusiasm of these tireless fund raisers, one is tempted to pose the question - What next?

Watch Tek Times

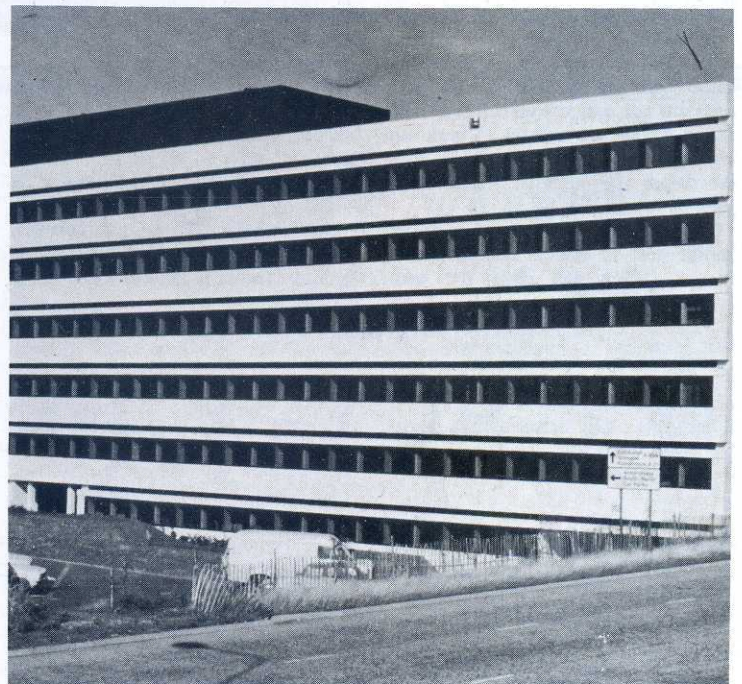


Cover Girl

Linda Hughes. Joined Tektronix as secretary in June 1980. Linda's hobbies are reading and cookery.



Around the Regional Offices



Tek U.K.'s Livingston offices serve our customers in Scotland. We occupy part of the ground floor of this impressive building.

AREA REPRESENTATIVE CONFERENCE

The next Area Representative Conference will take place in Maidenhead at 10.30 a.m. on Thursday 29th March. Management Representatives will be John Dedman, David Broadbridge and Guan Tan.

The guest speaker will be Eric Bidwell. The subject is "Quality Circles", with an introduction by Guan Tan.

CQ, CQ, CQ...

The world of Amateur Radio is not limited by political borders nor language. It is not even limited by expensive equipment, although like any other hobby you can spend a lot on it if you so wish. All the radio contacts described in this article were made by me using a second-hand receiver bought for £20 in 1965 and a home-made transmitter costing not more than £10. These days the equipment would cost correspondingly more, but still would not have to empty the family purse by an unbearable amount.

While commercial broadcasting stations usually transmit power in terms of tens or hundreds of kilowatts, the average amateur radio transmitter transmits between 50 and 500 watts. With powers such as these

licensee with his very own call-sign. The call-sign will be exclusive to that person and nowhere in the whole of the world will a similar call-sign be found. Who could say that even about your own name!

For British licensees the call-sign will be two or three letters prefixed by the letter 'G' and then a number. (Often a second letter appears after the 'G' and this indicates which part of the United Kingdom the station is situated. 'GW' is for Wales, 'GM' is for Scotland, 'GI' is for Northern Ireland, 'GD' is for the Isle of Man and 'GC' for the Channel Isles although this last is now further subdivided into 'GJ' for Jersey and 'GU' for Guernsey and its dependencies.) The call-signs often have a suffix letter placed at the end,



contacts may be made around the whole of the world, an exciting prospect:

To obtain an Amateur Radio Licence the City and Guilds R.A. Examination must be passed. This is an easy examination which is designed to find out how much the candidate knows about the licence conditions. If a full licence is required which allows one to operate on any of the frequency segments allocated for amateur use, a Morse test must also be taken. I took six months to build up my speed to the required twelve words per minute, most people don't take as long!

Once through the exam, and the Morse test if this is required, the Home Office will issue the new

oblique stroke A, P or M being most common.

The /A is for an alternative address where the station is being operated from an address other than that registered with the Home Office. The /P is used when the station is being operated in the portable mode. This includes operation in a tent or caravan or indeed if the equipment is hand-held as a 'Walkie-Talkie'.

/M after the call-sign indicates that the station is being operated as a mobile station, usually in a car but may also refer to its use in a boat or vessel on any inland waterway or at sea.

Confirmation of a contact between two Amateur Radio Stations is made by way of what is called a 'QSL' card.

GW3UMB Home QTH
Portable
Mobile

To Radio G3VJO
Thanks for QSO on 14.8.66
At 2115 GMT
Your Report R5S7T9
Antenna 12A EF at 30
Receiver Healthkit RAI
Transmitter 87 PA 10 watts

QTH
19, SECOND AVE.,
RHOS-ON-SEA,
COLWYN BAY,
DENBIGHSHIRE,
NORTH WALES

Jack Taylor

Please Thank QSL Director via RSGB
Print—A.B., Looe. Remarks: *My pleasure, Peter 73's Jack* Best Wishes

Cards from rare stations are regarded almost as collectors items and treasured in the Amateur Radio world.

In the accompanying photographs you will see some QSL cards I have selected from my file. I have deliberately chosen all British cards to avoid confusion at this stage.

The call-sign 'G3SVK' is an interesting example in as much that it

issued to a British Citizen. Since Howard was stationed in Scotland his call-sign became GM5AMS. I contacted him when he was visiting Northern Ireland and was living at an alternative address. You will see by the photograph that his call-sign thus became G15AMS/A. Other countries have different arrangements for reciprocal licencing, but more about that another time.

BRITAIN'S MOST NORTHERLY AMATEUR
Latitude 60° 47' N. Longitude 0° 50' W.

GRA: R.A.F. SAXA VORD, HAROLD SWICK,
UNST - SHETLAND ISLANDS

GM3SVK

To G3VJO Confirming our contact of 15-8-1967 GMT 2316
on 1.8 Mcs. Phone GW Your RSP 36
Tx VESPA Input 20 Watts. Rx AR55D
Ant. VEE 90 Remarks TKS QSO ES USE PETER
73's de *Fred*
FRED L. CURTIS
Ex ZC4FC/5B4FC. WBC. WAC. WBE. WCV. RAFARS
BCRTA. WAEDC. WDR. VODXC. DXCC

appears in three different forms. Fred Curtis, the owner of that particular call-sign, was stationed with the RAF in the Shetland Isles and as such operated with a 'GM' prefix. He then moved to RAF Cottesmore for a short time and rather than re-register his address with the Home Office, chose to operate with /A suffix. Note that the 'M' has been dropped since he is no longer operating in Scotland. During the summer of the same year, Fred went on holiday to the Channel Isles and operated portable from a tent. You will note that his card now has a 'GC' prefix with a /P suffix. You may also see, if you look carefully, that I contacted him while he was on the Isle of Sark and that my own call-sign is given as G3VJO/M. This was because I made the contact with him from a transmitter in my car whilst on holiday at Poole in Dorset!

Howard Epley was an American Airforce man stationed at RAF Edzell in Scotland. He had his own call-sign in the States of K7KPM. During his stay in the U.K. the Home Office issued him with a 'Reciprocal Call-Sign' of G5AMS since he would not be able to use his own call-sign in this country. The G5 plus three letters series of call-signs is reserved for such reciprocal call-signs only and is never

If I can frighten the Editor into giving me some space in the next issue, I'll show you some examples of cards from special stations.

Meanwhile 73's.
G3VJO

*Peter Hildebrand, G3VJB
Harpenden*

34, HALFWAY AVENUE, LUTON, LU4 8RB

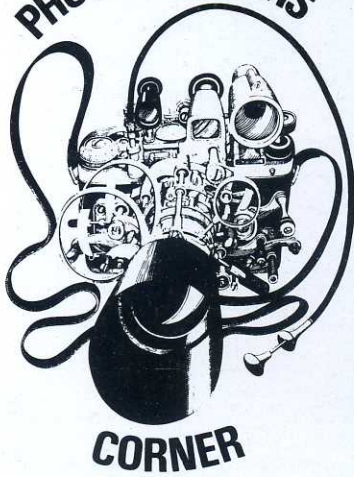
G8CGX/M

Confirming QSO

TO RADIO G3VJO DATE 15/11/47
TIME 2000-21 MHz 145 Ant. 2-1/2 Hafe
TX Gaz 2 TRX AX
PSE QSL via RSGB DIRECT
73s *Brian* BRIAN HOPKINS.
Print—A.B., Looe



PHOTOGRAPHERS



CORNER

This month's picture is of the rigging on the deck of a Thames barge. The photographer is Ron Tradgett.



Jen's Creation

This month's recipe:-

4oz digestive biscuits
14½ oz can pineapple chunks
½ pint double dairy cream
Cherry for decoration

Method

Break biscuits with rolling pin until finely crushed and use to line base of well buttered 7-8" tin. Drain pineapple and cover biscuits keeping a couple of chunks to put on top.

Whip cream and spread evenly on top of pineapple. Add the remaining chunks of pineapple or a pineapple ring with cherry inside. Looks lovely - tastes delicious. Umm.

Peggie Lewis
Harpندن



Smart Work

Whilst watching the England versus Scotland Calcutta Cup rugby match at Twickenham last Saturday (21st February), I found it very hard to believe that the England No.1 prop forward, who now has 4 caps, is the curly golden-haired baby cousin I used to push around in a pram. Does he now attribute his large frame to the Farley's rusks I used to stuff in his mouth to keep him quiet?

Colin Smart is his name and he chose, as his career, to teach remedial children at Pontypool where he is Assistant Headmaster. On Saturdays he lets off steam by playing for Newport, and was with the England

teams to tour Japan, Fiji, Tonga, and New Zealand.

Back in 1974, Colin qualified to play for Wales and was at Cardiff University with some of the great Welsh rugby players. He declined the offer, saying that being English he wanted to play for England. Incidentally, Colin has been referred to as the England team's "emperor of Sumo wrestling", a pursuit I'm sure he finds useful in sport!

As a family, we are all very proud of him.

Val Dent
Southgate

Tek Trampers Raise £600 for Hospital

One sponsor at a (magnanimous?) 50p a mile and several more at 50p REGARDLESS! – what were they trying to tell me? Either that my stamina was not expected to see me through, or that I deserved a fixed sum for being foolhardy enough to try!

Either way, as a working mother of two, 10 mile walks do not appear regularly on my weekly schedule, and it was with a fear of the unknown that I joined the stalwart band of 31 Tek trampers on their recent sponsored walk.

We left the Hoddesdon site at 9.30 a.m. on Saturday, 14th February, at a somewhat faltering pace, but greatly encouraged by the near perfect weather conditions.

As the pace quickened so the smaller groups formed and many an interesting conversation developed along the way.

When I had previously expressed doubts about staying the course, I was advised "You'll be carried along by the spirit of the occasion". Well, I'm not sure I believed it then, but I certainly do now.

Hertford County Hospital, the goal at the end of the first lap and the recipient of our sponsor money was reached much earlier than I had expected, even though we had first to pass the exultant leaders on their return journey!

The country route from Hertford to

Goose Green was easily the most enjoyable part of the walk. By now the small groups were well spaced, so much so that we could be forgiven for wondering if we were on the right route. However, the frequent sight of Tek marshal cars at various staging posts reassured us on this point and we were content to enjoy the farmland views.

As our final goal (The Huntsman, at Goose Green) became nearer, my companions and I will admit to more than one searching look ahead for anything remotely resembling a pub sign!

As it turned out, the final obstacle before that 'oasis' proved to be a steep incline (at least 10:1 to my inexperienced eye). Needless to say, I was not among the sporting front-runners who, encouraged by an energetic member of the accounts section, made a race of it, even at this late stage.

True, the time sequences between finishing groups were of varying lengths, but the look of satisfaction worn by each successful participant entering the welcoming portals of the Huntsman, was uniform.

Dads, mums, teenagers, wives, husbands, sportsmen and four-legged friends, we all completed the course and that's what it was all about.

*Linda Hughes
Hoddesdon*



Phil Tradgett looks ready to collapse in this picture taken during the Hoddesdon Sports and Social Club Sponsored Walk.

The following is a list of participants in the Tek Sponsored Walk – Hoddesdon-Hertford-Goose Green:-

Eric Bidwell
Roy King
Chris Hadder
Jenny Hancock
Marlene Bone
Maureen Wyatt
Anne Curd
Pat Baggs
Sharon Baggs
Glenys Cunningham
Teresa Cooper
Debbie Peacey
Brigit Collins
Phil Tradgett
Keith Clutterbuck
Dave Forshaw
Diane Forshaw
Luke Uduwara
Clive Bowden
Peter Holness
Margaret Palmer
Dolly Lee
*Arun Krishna
*Nina Krishna
Cliff Brazil
Andrew Hartwell
Linda Hughes
Peter Mason
Elaine Thackeray
Mark Millbanks
Sharon Barnes (organiser)

*Jointly sponsored for the largest amount

MARSHALS (Sag Wagons):- Chris Astall, Cieron Byrne and Margaret Millbanks.



A LIVING THEATRE

Have you been down to the South Bank lately? The one near Waterloo Bridge – referred to in the Tourist blurbs as the “South Bank Arts Complex”.

There you will find the Royal Festival Hall and its younger and smaller cousins, the Queen Elizabeth Hall and the Purcell Room – all dark concrete, bearing the marks of the shuttering which once retained it. Then away on the upper level is the Hayward Gallery with its roof looking like Government surplus tank traps. You might fail to notice the National Film Theatre tucked away under an arch of Waterloo Bridge and encircled with car parks.

By the way, as you walk through this area, especially under the Q.E.H., you might be run down by an army of skate-board enthusiasts – this place might have been specially designed for them; and you have to admire their consummate skill.

Coming out on the downstream side of Waterloo Bridge you are confronted by a concoction of concrete and glass on many levels that is the National Theatre – the theatre which was a pious hope for so many years, but which finally materialised under the hand of its architect Denys Lasdun, and is now flourishing under its director Sir Peter Hall.

But this is not just a theatre – in fact there are three auditoria; the Olivier, the Lyttleton, and the Cotteslow – it is also a splendid place to come and spend an afternoon or evening, with or without a theatre ticket.

The first thing you notice as you enter the swing doors is the size of the “foyer”. This is no ordinary theatre foyer. It is a meeting-place, a promenade, where you may sit or stroll as long as you wish, and watch the theatrical world go by.

You can drop in at 11.00 a.m. for coffee, and then drink it (weather permitting) on one of the outside

balconies overlooking the river and Somerset House. If you are so minded, you can stay on for lunch, either in the restaurant or at one of the excellent buffets which can be found on more than one level.

Then, what about a stroll round one of the exhibitions which are a regular feature of the National Theatre? Recent shows have included some fine photography by Sam Haskins, works by English water-colourists and architects’ drawings of theatre layouts. Occasionally you may come across a sale of books – remainders or shop-soiled, but bargains nonetheless.

There is also a permanent book-stall in the main foyer, carrying a comprehensive stock of books covering all aspects of the theatre.

Another very attractive feature of the N.T. is the provision of free musical entertainment every evening (except Sunday) and on Saturday afternoons – before the main performances in the theatres. These entertainments take place in the ground floor foyer at about 6.15 (and 1.30 Saturdays), and end in good time to enable you to reach your theatre or concert-hall seat. (You don’t, however, have to hold tickets to enable you to enjoy these musical bonuses – anyone can drop in!). On recent visits, we have heard a piano soloist, a jazz group, a choir singing carols, a “Palm Court” trio, and two young men playing a prodigious array of mediaeval instruments – not all at once though!

Add to these activities such things as “Platform performances” – poetry and play readings by members of the company – with tickets in all parts for less than a pound, a guided tour of all the back-stage area, and you have a truly living theatre.

Ron Tradgett
Southgate

The Aftermath

After their sponsored walk on Saturday, the Hoddesdon Sports and Social Club held a Disco in the evening. This went down very well, despite the fact that the numbers were well down.

Cliff Brazil was bouncing around the floor all night after having walked more than the ten miles he was sponsored for, and even Ed Morrison was prised onto the floor after much persuasion. Well done!

We all tucked in to Bangers and Mash laid on by Alma and Nicki.

Thanks to you both for your hard work.

Although it was advertised as a “Tramps Supper” we only had two tramps turn up. They eventually decided that they felt out of place and went home to change.

Thanks are due to Ken Burton for picking up the stragglers after the walk and helping me to get the canteen ready for the disco, and to the people from Harpenden who gave their support. (I hope one young lady’s hangover is better!) See you at

SAFETY 8-1-5T

or how I learned to stop
worrying and love the car.

ROUNDAABOUTS

The two basic points to remember at roundabouts are the give way rule and the driving procedure, according to the exit to be taken.

Give way

When approaching a roundabout, you should normally give way to traffic from your immediate right, but keep moving if the way is clear. Where this general rule applies, the points of entry to the roundabout are marked by single broken white lines on the road surface. At exceptional places, where traffic in the roundabout must give way, double broken white lines are marked across the road in the roundabout and there are Give Way signs.

Driving procedure

The following rules should be followed unless the approach roads and the roundabout are clear, or local conditions or road markings indicate otherwise.

When turning left

Approach in the left-hand lane and keep to that lane in the roundabout. Use the left-turn indicator on approach and through the roundabout.

When going forward

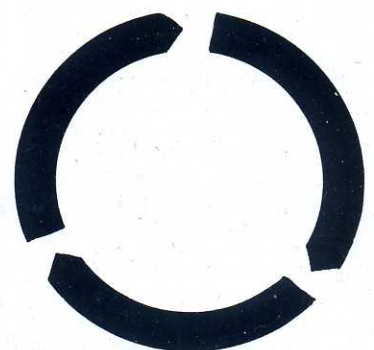
Approach in the left-hand lane and keep to that lane in the roundabout. Use the left-turn indicator at the exit before the one to be taken. If conditions dictate, approach in the

right-hand lane and keep to that lane in the roundabout. Use the left-turn indicator at the exit before the one to be taken.

When turning right

Approach in the right-hand lane. Use the right-turn indicator before entering the roundabout and maintain this signal while keeping to the right-hand lane in the roundabout. Change to the left-turn indicator at the exit before the one to be taken.

Be prepared for other drivers to cross your path to leave by the next exit, and always be on the look out for their signals. Don’t forget the routines: Mirror – Signal – Manoeuvre (MSM); Position – Speed – Look (PSL).



BEWARE OF TYRE SLASHERS

your disco on the 16th April.

Thanks also to Ken Livermore for working out the route for the walk, to Margaret, Chris and Cieron for driving, and to all those who walked and sponsored.

Any suggestions, (however silly), for next year’s sponsored event should be directed to me at Hoddesdon. So far we have had suggested a Disco Marathon, a walk to Southgate and return and a sponsored sauna!

NB. Forthcoming events lined up by the Tektronix Sports and Social Club at Hoddesdon are:-

Weekend in Paris –
24th-26th April and
Visit to Windsor Safari
Park – 7th June.

Thanks again to everyone!

Sharon Barnes

DO YOU JUST SING IN YOUR BATH?

There we all were, doing our noble duty, in tiers (!), in the heat of a July afternoon, formed into divisions according to voice range, concentrating hard on the latest score in the match between Borg and MacKinroe, as it was transmitted across a complex grapevine, from a portable T.V. concealed behind the timpanist! and the band played on! (or rather, the London Bach Orchestra did. We were in rehearsal for another concert of London's most ambitious choir /social club which has the dubious honour of a Tektronix salesman as its chairman - The Camden Choir. Most ambitious? Well, the annual turnover has risen from £3,000 to over £10,000 in the last three years, audience ratings have doubled, musical quality has increased by how *do* you measure musical quality?!

Anyway, this picture appeared in a recent issue of Computer Weekly, as part of the Camden Choir's latest publicity drive, leading up to a major concert of Haydn's Creation in the Queen Elizabeth Hall on 16th June. If nothing else, it shows that this group has got its priorities right. You will notice that the important function of singing is entrusted to the men (standing), whilst the women are used simply for their decorative qualities!

If you feel like stepping out of the bath and into North London, our musical director would be delighted to audition you to assess how many pints you can safely carry across the throng in the choir's "local", to examine your superstar qualities for use at the next fund raising event, and to measure how much noise you can make alongside eighty other youngish musicians! In fact, there are three things you could do for this group, any of which would make you many new friends. One is to join, and take part in all the events of each year - concerts, variety shows, charity events, even weekends away in the country! The second is to become a "Friend of the Camden Choir" - and join a happy band of followers who, with a few other Tektronixites in their midst, take part in anything but the actual singing, for the price of a small annual donation. The third is to introduce a rich sponsor the choir needs to find around 40% of its turnover each year from outside bodies such as the Arts Council, or from private industry, in order to survive. Any offers?

The BBC, in a recent arts programme mentioned the Camden Choir as "..... a choir to watch". I hope it will still be around to be watched (or maybe listened to!) when this thing called a recession has passed! In the meantime, why not make merry at the party after a concert of Bach music on Saturday 21st March? - you might even enjoy the concert itself! (tickets £2.50). Contact me (Allen Matthews) at Harpenden for details.



(Photo courtesy of I.P.C. Press Ltd.)

Hopalong Joe

Further to Eastern Region's policy on fuel economy, the IDD Regional Sales Manager, Joe (Hopalong) Krystman, has been experimenting with other forms of transport. The success of the venture can be judged by the increase in speed compared with the T & M wire basket (this can be pulled to allow on-site demonstrations).

The horse was supplied by Roger Alexander, IDD Eastern Region Salesman

Mr Krystman has now reverted to SITTING at his desk!



Karate

Karate became a well known sport after Bruce Lee became famous in his films of the sixties and early seventies.

In actual fact Bruce Lee did several different kinds of Karate combined into one.

There are about nine different styles of Karate with new styles constantly being introduced. The style I do is called SHUKOKAI. This is probably the most difficult to learn and it is the most lethal.

The word KARATE means Empty Hand, as a Karate expert should never need to use weapons apart from his hands and feet.

In SHUKOKAI style we take altogether nine belts. White, Yellow, Orange, Green, Purple, Three Browns and a Black. Very few people actually pass their Black belt first time as it is a very difficult thing to do.

We take our belts every four months.

To earn a belt you have to perform several KATA'S. A Kata is a series of moves where you can fight up to twelve people at one time. I am fighting up to eight at the moment. You also have to learn several kicks and punches. Combinations which are simple moves to defend against one person swiftly and strongly are also included along with sparring or fighting to win a belt.

Points are scored when you strike a certain part of the body with a kick or punch or whatever. The main points to aim for are the neck, temple, kidneys, spleen or back.

In Karate you need a tremendous amount of discipline and dedication.

You enter the DOJO (training area) with a bow and you leave with a bow, you must always bow to SENSEI (instructor) and show respect at all times. Failure to do so may result in being expelled from the club.

When learning Karate you are taught moves and kicks in Japanese. All instructions are later given in Japanese so you must always listen carefully to what is being said.

In a lesson we enter the DOJO, bow



and change into our Karate suits, then we line up before SENSEI. Then we do SAZAR, which is kneeling down with our eyes closed and finger tips touching. This helps us to relax and get us in the mood for training. We also do Sazar at the end of a training session. After Sazar we do exercises for about half an hour, then Combinations, Katas etc. for a further one and a half hours. It is very hard work, believe me.

Every six months we have a competition for Trophies and

Medals. To enter, all you have to do is a Kata as strong and precise as possible. All the men have to fight each other for trophies but it is good fun and worth entering especially after you have seen the trophies.

There are many reasons why I do Karate. The main one being Self Defence. I can fight people almost twice my weight and stand as good a chance as my opponent of winning.

Secondly it is a very interesting hobby to take up. The training is hard and tiring but you make good friends

and the hobby is also rewarding when you see how you improve over the months.

Karate is also good exercise. You become fitter and more aware. You become stronger and more disciplined and more able to cope with tricky situations.

Everybody has different reasons for joining but the main ones are above. I would never give up my Karate lessons now.

Janet Tither
Manchester Office

After last month's new item about the way Tek customers mis-spell our name, it was most cheering to find at least one correspondent who was determined to get it exactly right.

He included our slogan Committed to Excellence in the address. We will overlook the fact that he didn't affix the correct postage.

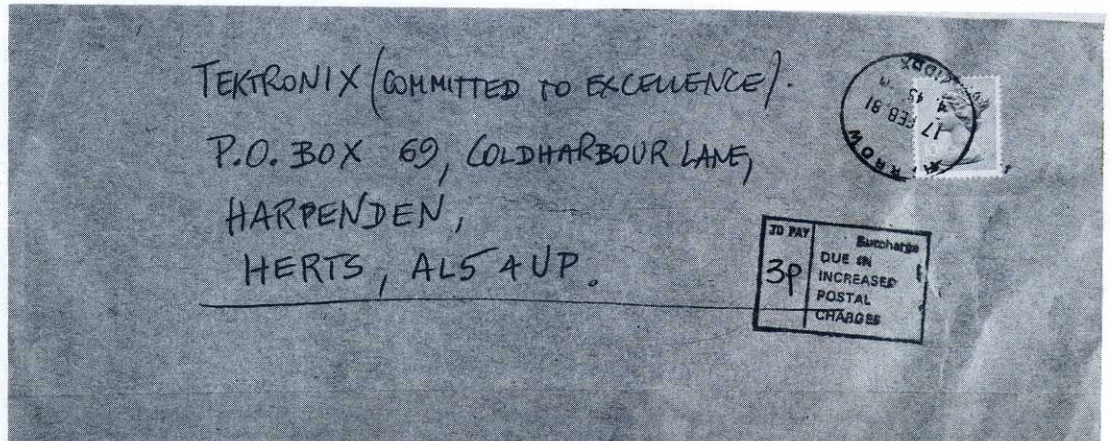
(Contributed by
Melba Watkins, Harpenden)

QUOTE

Be wiser than other people if you can,
but do not tell them so.

Chesterfield

Techronics...etc



LETTER TO THE EDITOR

Dear Sir,
 May I correct an error in last month's otherwise excellent issue of Tek Times?
 In the article entitled "Better Motorway to London", it was

claimed that the M1 motorway section to be rebuilt was the oldest part of the U.K.'s motorway system.
 In fact, the first motorway to be opened was the M6 Preston Bypass.
 D. N.

Photo Caption Contest

Think up a caption for this photograph of Ed Morrison (right), talking to Earl Wantland, and send it to Tek Times, Harpenden.



Captions for last month's pictures

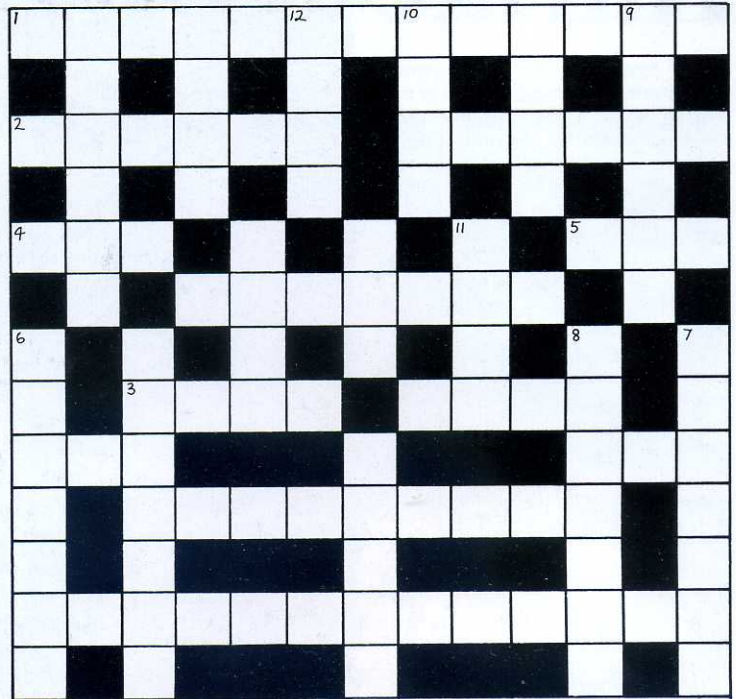


"Yes, I can see right through"



"Dammit, that's the third hearing aid I've lost this week".

Crossword



This crossword contains 26 clues. Each answer begins with a different letter of the alphabet.

To add a further challenge, only some clues are numbered.

10. Labyrinth (4); 11. Spiral horned antelope (4); -Edit the water (4)
 12. Bombard the frame for inspection (4); -Not too often found (4); -Dandy (3).

Derek R. Smith
 Harpenden

Clues Across

1. It is nearly true. (13); - This charge is not always attractive (13); - A collapse of liquidity (9); - Artform of the 17th century (7); - A belt in the heavens (6); 2. Umbrella fabric in church (6); 3. Not a short stroll (4); - Stop the American (4); - A charged atom (3); 4. Ringless prevention for animals (3); - Contented babies do (3); 5. Not me (3).

Clues Down

6. Jimmy, the Frenchman (7); - Hems now produce the entertainment (7); 7. Without match (7); 8. Something useful (7); 9. Purveyor of words (6); - For the artistic storeman (6); - Flag (5); - Harmless mischief (4);



Solution to puzzle in issue No. 25

The Battle of Paris

Seen in Paris on the liberally dented driver's door of an elderly Renault 4 car, belonging no doubt to a former fighter pilot -

- Poulets *****
- Canards ****
- Chats ***
- Chiens *****
- Lapins *****
- Gendarmes **



Contributed by Ron Tradgett Southgate