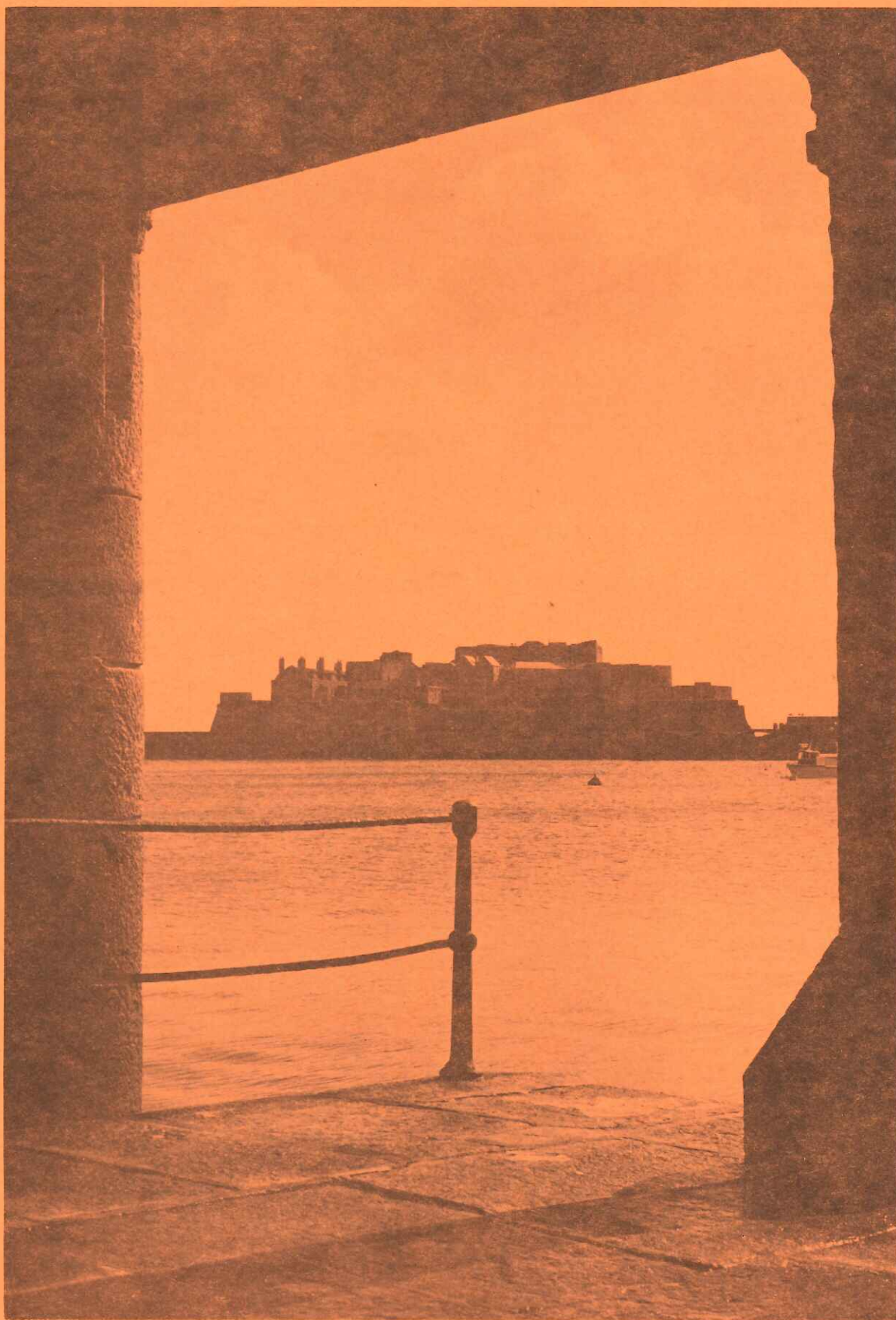


TEK TOPICS



Volume 2 Autumn 1975

TEKTOPICS

It's not always easy to know how a publication of this kind is going to turn out. One thing is certain however, they are all different, some better than others and we think this is one of our better efforts.

Let me hasten to add however, that this is no reflection on those who have contributed to previous issues.

Remember also, that is my opinion, yours may be different. What is your opinion? What do you think makes a good publication? What sort of different subjects would you be interested in?

We can stand a bit of criticism if it lends to something better. Why not jot down your thoughts on paper and hand it to one of our committee, but read this one first!

Harold.

THIS AND THAT

We would like to extend a warm welcome to Bud McElfresh who has transferred from Beaverton to fill the vacancy of Sales Programme Manager - Systems Division, reporting to John Landis. Bud is presently settling in Guernsey with his wife Lorretta, and their two children Dlana and Travis. Bud has been with Tektronix for fifteen years.

Working with Bud is Alan Richmond who is familiar to many of us. Alan who worked for Tek in Guernsey up to four years ago, has been based in the U.K., and now returns to re-occupy his country cottage near Saints Bay. Alan is an active amateur radio enthusiast, call sign GC3ONJ, and is a founder member of the Guernsey Radio and Electronics Society.

In our last issue I omitted to comment on the photograph accompanying the Basketball article. I should have pointed out that Colin Falla (T.Q. Test) and Terry Le Huray (Facilities Supervisor) were in the picture and were recently involved for Guernsey as player and coach respectively, in the Inter-Insular basketball game between Guernsey and Jersey. Colin and Terry are also very actively involved in the Guernsey Basketball scene as referees, players and coaches, plus administration responsibilities with the Guernsey Basketball Association and the Society for Basketball Referees.

As we come to the end of another summer, and a very good one it was, a lot of people turn their thoughts toward further education. It seems that there is an overwhelming response to the subjects offered at the Further Education Centre, and the in-house Tektronix classes promise to be well attended also. These classes comprise the First and Second year Tektronix course, Maths A and B, Computers A/B, Computers B/C and Telecommunications B. Our instructors Doug Campbell, Gary Wallbridge, Keith Dumont, Alan Chubb and Peter Guilbert seem like having a busy winter, we wish them luck.

Here's wishing Martyn Mann success with his studies at Southampton University. Martyn has just commenced a one year course and hopes to gain his M.Sc. at the end of it.

Ray Pople has returned from his four week visit to Beaverton, primarily to gain experience on the concepts and build and test techniques of the T900 Series instruments. Ray has been with the Company for sixteen years and this was his first visit to Beaverton. He considers his trip was very useful and like most people on their first time look around, was very impressed with the size of the organisation.

We have had many visitors to the plant recently. Among them were four technicians from an electronics manufacturing company in Yugoslavia. They were accompanied by Peter Staric an ex employee of Tek now working with their concern. Most visitors are impressed with what they see, which I'm sure does a lot in fostering good relations and who knows, may even promote sales?

Lew Broadbent a Tek. F.E., from San Deigo also visited Guernsey, and found an aunt in Manchester, and two cousins in Jersey - it's a small world.....

SUCCESS FOR KAREN AND VALHALLA

A young Tek. Limited typist scored a resounding success at the Annual Guernsey Riding and Hunt Club show. Riding her eight year old dapple grey gelding Valhalla, Karen Osborne opened the day by winning the Juvenile Hunter Showing class.

She then proceeded to demonstrate that Valhalla can jump as well as look beautiful by winning the Senior Open Jumping event and the Puissance.

In the team event Karen's three clear rounds were enough to give her team, North, second place.

Valhalla hails from Connemara in Ireland, home of so many successful show jumpers. He stands at 14.2 hands; this, for those unfamiliar with equestrian parlance, means that the height to the top of his shoulder is 4' 8 4/5" (one hand being 4").

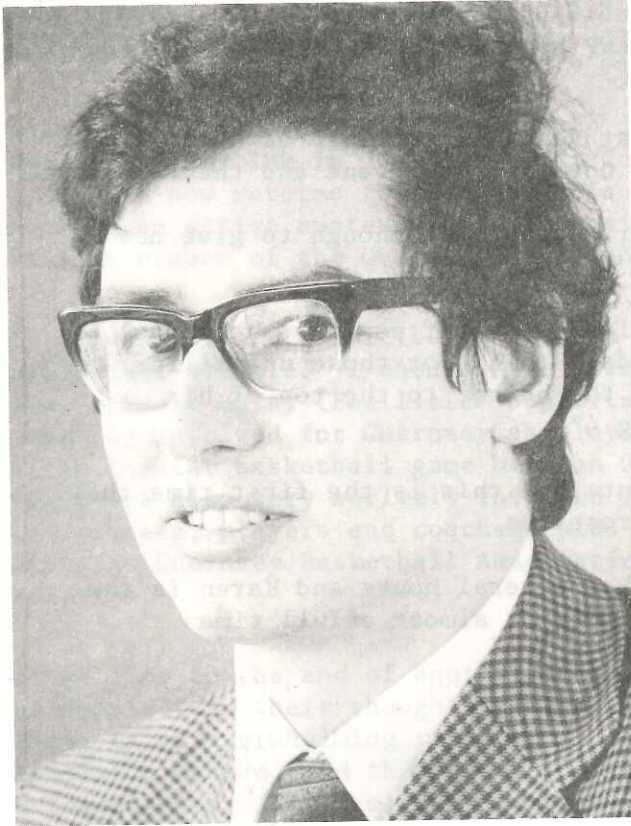
Karen rides him in all the local events but this is the first time they have made such a clean sweep of the rosettes.

Grooming Valhalla for a big event takes several hours and Karen is the first to admit that looking after a horse is almost a full time occupation!



KAREN OSBORNE AND VALHALLA IN FULL FLIGHT.

The Tek Topic Interview - Nick Humphries, Field Engineer.



Nick Humphries 27, has been with Tektronix since 1968. Starting as a Test trainee he took part in the first training course run by Doug Campbell. Nick completed his training and remained in the Test department as a Test Technician for about 5½ years. During that time he gained much experience on portables, in fact his expertise as a tuner of 454 Vertical Amps is legendary! A couple of years ago, feeling the need for a change and an opportunity to broaden his knowledge of the world of marketing he successfully applied for the job of field engineer responsible for the exhibition vehicle, or demo bus as it has become known.

The demo bus is 11.00 metres long by 2.48 metres wide, and powered by a six cylinder Mercedes engine with coachwork by Dell of Southampton. The bus has visited many countries since its intro-

duction in March 1973 and covered approximately 80,000 Km's.

Terry "How do people react to the demo bus?"

Nick "Very favourably, particularly as many of the towns we visit are way off the beaten track and the bus introduces customers to many of our products which otherwise they would never get to see."

Terry "What type of person visits the bus?"

Nick "Students, professors, engineers and technicians."

Terry "How valuable do you consider the bus in terms of Sales?"

Nick "I think you have to look at it as a long term investment. People often ask me this question, and I have to admit, its difficult to quantify. Clearly as a public relations exercise its beyond measure. Remember, customers often request that we visit their premises."

Terry "How do you like living out of a suitcase?"

Nick "It isn't too bad, usually after a run of 'one-nighters' we stay for 3 or 4 days in a hotel and this gives me the chance to recover. Probably the longest non-stop run I've experienced is 20 hotels in 28 days!"

Terry "What do you like most about travelling?"

Nick "Mostly meeting people, I realise the sort of job I have wouldn't suit a lot of people but it provides change and variety and this is what I like."

Terry "Do you have any language problems?"

Nick "Not often, usually the bus is staffed by a local field engineer who acts as interpreter. Unfortunately this is not always true, in East Europe the bus is manned by FE's from RST Austria, and language difficulties do occur. On one particular occasion in Morocco the FE aboard the bus couldn't speak English so we had to communicate by writing in French, a language I can usually read but not speak. With a liberal use of sign language we managed to get by!"

Terry "Geographically what are the extremes of the bus's travels?"

Nick "Well, the furthest North we've been is Tromso in Norway, Casablanca to the South and Ankara in the East, but not in the same week!!"

Terry "What other problems have you encountered?"

Nick "Recently in Turkey, the windscreen shattered on the bus and as the chassis was fitted out in Southampton we needed to get a replacement flown out from the U.K. The windscreen was air-freighted out to Turkey within two days and then became "lost" in the warehouse for a week. It took 14 signatures and rubber stamps to release it. Terry Barlow and myself spent the next 2½ weeks fitting the windscreen in our spare time."

Terry "I understand the bus has travelled extensively in East Europe behind the Iron Curtain."

Nick "Yes, and it's inevitable that comparisons are made between East Europeans and West Europeans and their way of life. Russia tends to be very drab, the average Russian has no opportunity to be friendly and there didn't seem to be any attractive girls. Shops are ill stocked and people spend hours quite contentedly queuing up outside. There are however tourist shops where no Russian money may be spent only foreign. Cafe's seem to do only one type of dish, with no change in menu. In the Hotel all meat courses tasted the same!"

Terry "Are all East European countries similar in this outlook?"

Nick "No! For example in Czechoslovakia the fashions follow the West with several years delay, while I was there the mini-skirt was very much "in" and that can't be bad! Another interesting observation, each town seemed to have a beer and wine quota and frequently one town would have beer but not wine, and vice versa, when one ran out."

Terry "Which country or countries did you enjoy visiting most?"

Nick "Finland, Norway and Denmark, the people there are very friendly and open and there is a high standard of living. Prices of some items were very high, in Finland for example a glass of licquer Brandy cost £3.00 and sherry 80p. Prices in Norway were also high, typically 80p for a glass of beer! But there are compensations, the girls are tall, blonde and pretty."

Terry "A recent edition of Tekweek included photographs of a Tek. Inc. Demo Bus, how do you think their's compares with ours?"

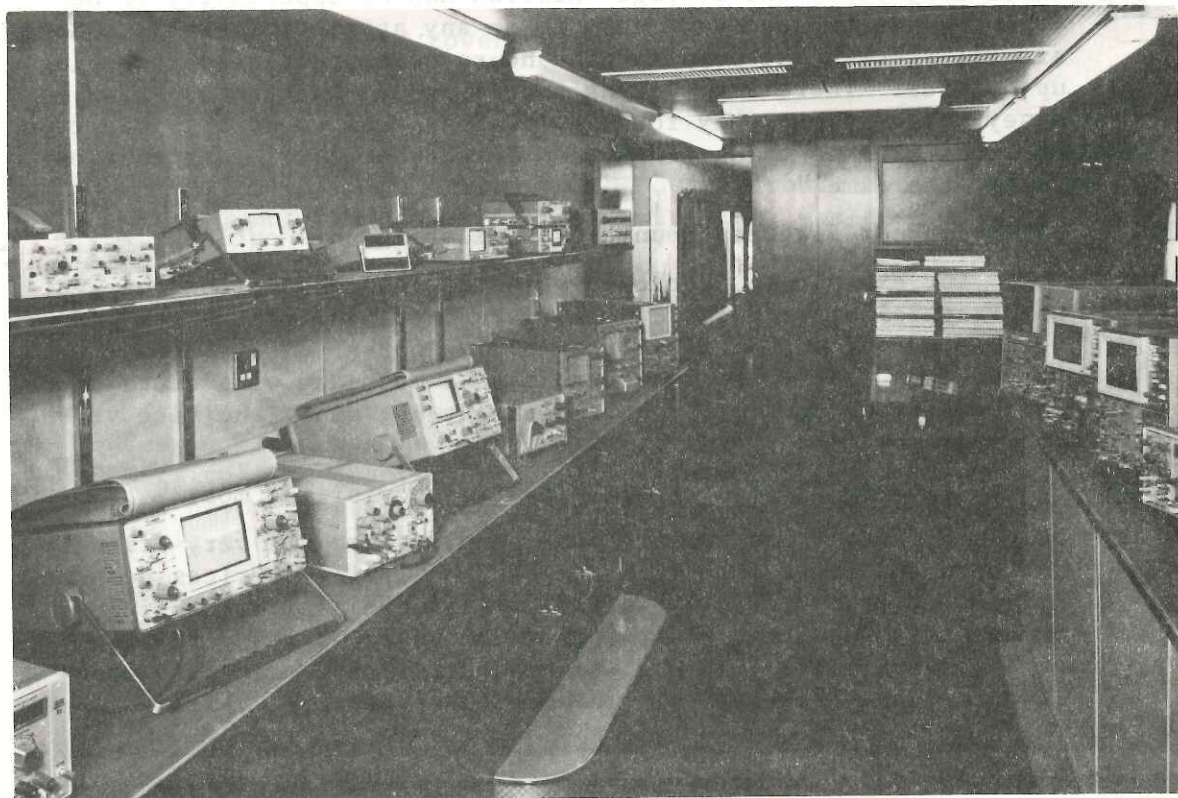
Nick "Mmmmmmmmm, Yes it looks very nice, almost makes me feel like the poor relation, I'm currently waiting for some additional details concerning their bus, as of now my only info is that which appeared in the Tekweek article."

Terry "Well Nick it was nice talking to you, in our preliminary chat you mentioned 'The Gypsy Life', I think that best sums up your environment and I'm sure there are many people who would change places with you."

Nick "I'm sure there are, thank you for the opportunity of talking about the bus."



THE 'BUS



INTERIOR

SUNFLOWER COMPETITION



Sunflower growing competitions have been held in Great Britain for quite a few years; the record height achieved is a mammoth 20 feet and several inches!

The majority who entered the Social and Sports Club competition had never grown sunflowers before but were willing to give it a try. The rules allowed people to start their ten seeds in a greenhouse but they had to be grown outside. Feeding was permitted and many and various were the feeds experimented with; in fact several people took to following horses around with a bucket and shovel!

Weather conditions during the summer seemed to be ideal but the high temperature caused a lot of early planted seeds to flower early; when this happens, the growth slows down appreciably, limiting most 'giants' to about six feet.

August 31st was the last date for measuring flowers, but by the middle of the month it was obvious that the competition was between four people - Alan Lamb (Manuals) John Fallaize (Training Supervisor) John Rowe-Hagans (Vic. Ave.) and the sole survivor of Women's Lib Angela Knight (7000).

Alan Lamb's sunflowers lurked at the bottom of his garden near Cobo looming above his runner bean rows. The tallest measured an impressive 8' 7" and the majority were over 6'.

A compost heap provided one of John Fallaize's flowers with extra nourishment, and it reached a height of 9' 4½"!

The most pleasing display was in a tiny courtyard at the back of a house in Havilland Street. The only earth available to John Rowe-Hagans was a strip about 2' by 15' and his ten sunflowers were growing against a high white wall. The largest was a magnificent 9' 9"! However, better was still to come.

Angela Knight doesn't consider herself the Percy Thrower of L'Islet but the display outside the front of her cottage was quite something.

A step ladder was standing at the base of the tallest and I was pleasantly surprised to measure a height of 9' 11½". The biggest by 2½"!

The strange thing was that the flower was still in the bud stage whereas all the others I'd measured had full blown flowers. It will be interesting to see how much further it grows.

Angela will receive a trophy to keep and John Rowe Hagans and John Fallaize will be awarded with medals to remind them of their successes.

As a matter of interest, the largest flower head measured 16" in diameter!

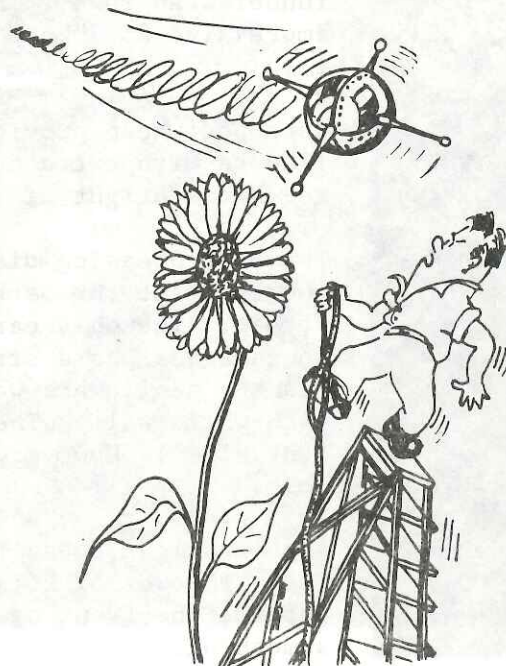
Lastly, thanks to all the gardeners who weren't so successful, for competing.

Sunflower seeds by the way are very good food for a large variety of animals and birds, so please don't just consign them to the compost heap but pass them on to people who could use them up.

Thinking about those seeds, a few thousand spread around the waste ground on the West Coast could give quite a surprise to Guernsey's botanists next summer!

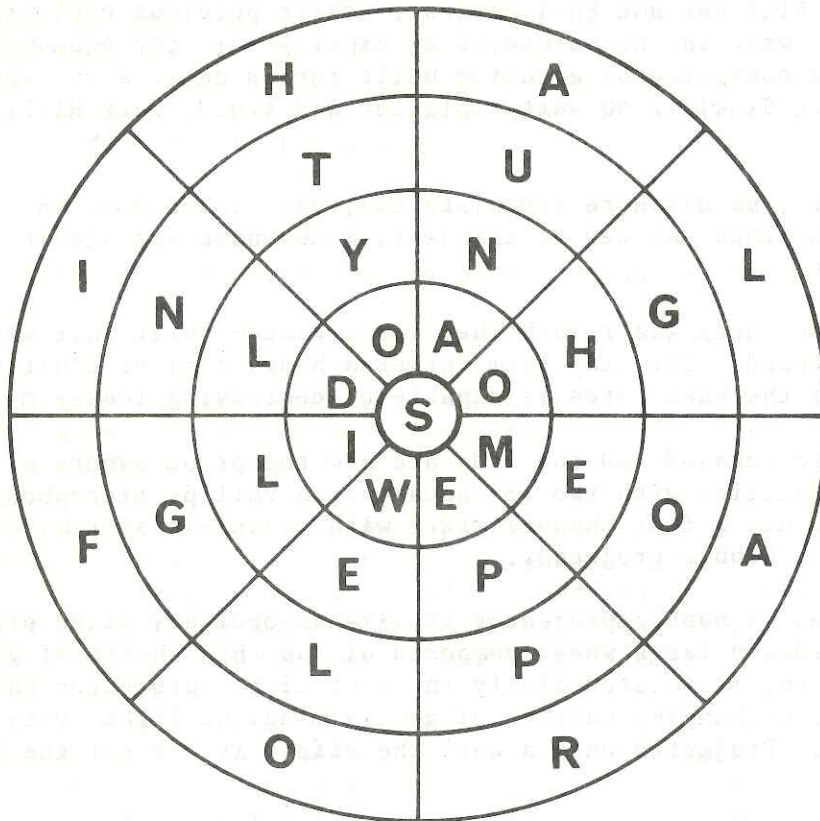
Thanks 'Ar Gee for the cartoon. Pity you can't grow sunflowers!

The photograph by Don Brook shows Angela Knight with her trophy winning sunflower of 9' 11½".



PUZZLE PAGE

1.



Start at the letter S in the centre of the circles and work out the sentence. You can only move onto adjacent segments, you can NOT move diagonally.

CLUE Sums you up perfectly.

2. A social and sports club has a membership of 59. They have a football team (11 players) cricket team (11 players) and a rugby team (15 players). Each team plays on different days. Four people who play cricket also play football, three people who play football also play rugby, three people who play cricket also play rugby.

How many sport playing members are there?

ANSWERS ON PAGE 15

ATLANTIS DISCO

Atlantis Pirate Disco was formed in 1974 by three ardent young pop fans, Mike Ozanne, Paul Fletcher and Paul Mariess. Their previous exploits with Zenith Discos were in the nature of an experiment; the equipment was very basic and consisted of a custom built record deck, a two channel mixer, a home built Sinclair 50 watt amplifier and two 30 watt Hi-Fi speakers.

When Radio Atlantis, an offshore radio station, was closed down in September 1974, the lads decided to change to a new name and acquire more suitable equipment.

The old Zenith Disco deck was refurbished and a custom built unit was made from $\frac{3}{4}$ " chipboard. This may seem rather a heavy form of construction but vibration from the bass notes is capable of destroying lesser material!

New equipment was purchased and the lads are now the proud owners of an R.S.C. 100 watt amplifier with two 18" speakers, a Philips microphone with built in booster, a four channel mixer with cueing-in system, a light flashing unit and a bubble projector.

For the uninitiated, a bubble projector is like an ordinary slide projector, but instead of slides a large wheel composed of two thin sheets of glass with oils in between, is rotated slowly in front of the projector bulb. The result is an everchanging pattern of gently mingling light, very brightly coloured. Projected onto a wall the effect is, to say the least, magnetising.

Equipment in the pipeline includes a 100 watt Baker amplifier.

The type of work the lads take varies from quiet birthday parties to "free for all's"! (Usually when some unsuspecting parents are away on holiday!)

They regard the peak of their career as the opportunity to play at a Pop Concert at the Vale Castle. Atlantis equipment was not really adequate for an outdoor performance, but the loan of another amplifier gave them a grand total of 200 watts of music power!

On Saturday nights, with the aid of new Disc Jockey Andy Carre, the lads operate a disco from St. Sampson's Youth Centre; playing their own type of progressive music. They all agree that running a disco is great fun as well as an interesting and remunerative hobby.

AMATEUR RADIO

Many people do not realize the world of Amateur Radio exists, and to those who do, some regard it as an out of date hobby to which all the exciting possibilities of radio have long since been discovered. How wrong they are; even at this moment two Amateur Radio satellites are orbiting the earth, which shows this hobby is far from 'out of date' in todays modern electronic world.

Amateur radio is a hobby enjoyed by thousands all over the world, young and old alike, it knows no barriers and is expanding rapidly every year as more people are finding out the great fun and satisfaction it brings.

Almost anybody who is interested in radio can become an Amateur, or if he does not wish to become licensed he can be a Short Wave Listener (SWL). Either way the equipment needed to listen or transmit need not cost the earth. It can be made for a few pounds or it could be a modified V.H.F. receiver etc.,

This is at least a start in the right direction. Of course it is up to the individual how far he wishes to go and how much he wishes to spend as in most hobbies. Perhaps one of the best ways to start a hobby such as this is to join an Amateur Radio Club. Members of such clubs are always willing to help and advise beginners and also lend equipment to help others get started.

To obtain a licence to transmit on the allocated Amateur VHF/UHF frequencies it is necessary to pass a City and Guilds Radio Amateurs Exam (RAE) to prove to the licensing authorities that you are competent enough to hold a transmitting licence. Once you have passed the RAE then an application is made to the Home Office for a class 'B' licence and a call sign, the latter being the 'pride and joy of every Amateur'. A further examination consisting of a Post Office 12w.p.m. morse test enables a class 'A' licence to be held, which means the licensee may then transmit on any Amateur band (i.e. HF, VHF, and UHF bands). Many radio clubs run courses for the purpose of passing the above exams.

There are many activities one can do besides the 'rag chewing' sessions between stations. Again it is up to the individual. Some Amateurs like to operate on VHF bands only, transmitting from their cards, main stations, or on small hand held portables designed to fit into back pockets etc.

Others may operate on HF bands communicating to Amateurs all over the world from the shed at the bottom of the garden, or the Shack as it is affectionately known. Their equipment ranging from home made gear to professionally made transceivers costing many hundreds of pounds.

Radio contests are held throughout the year, where it is the aim of the stations to work as many other stations as possible in a limited time. Some of these are organized by the Radio Society of Great Britian (RSGB) which is an official Amateur Radio organization, recognized as a representative of the Amateur in all negotiations involving conditions of licence and frequency allocations.

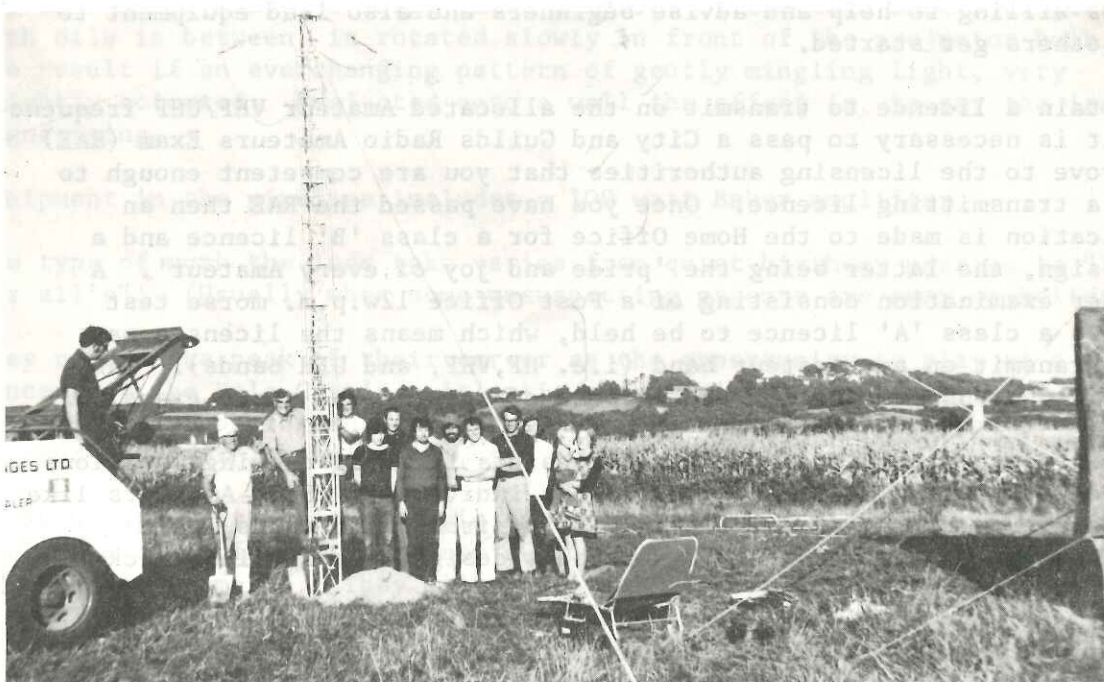
It has an approximate membership of 18,000 in the U.K. It also produces a monthly magazine with up to date news in the Amateur world.

Amateur Radio is also very active in Guernsey. The Guernsey Radio and Electronics Society, (which is affiliated to the R.S.G.B.) has a membership of over 30 and almost all of these are licensed as a result of joining the club as S.W.L. The G.R.E.S. takes part in many R.S.G.B. contests and operate under the call sign GC 3 HFN.

Guernsey is also a favourite place for visiting Amateurs and fairly recently an expedition was launched by the Channel Contest group (a group set up for the purpose of HF contests) to Guernsey to take part in a National field day contest. They operated under the call sign GC4DAA/P. Also very recently the G.R.E.S. operated in a 24 hour VHF National field day contest using a 60A steel tower (very kindly loaned by GC8FBO), in a field overlooking Fort Grey at Le Profond Val. This was very successful and a great time had by all.

Anybody who is interested in radio is most welcome to visit the G.R.E.S. whose headquarters are at The Lodge, La Corbinere, Oberlands, St. Martins, and who meet every Tuesday and Friday, or they may wish to contact any of the Amateurs who work at Tek.

GC8KUT



The photograph shows the operators of the GRES GC3HFN at the recent field day contest.

Left to right (start 2nd from left) GC8HT, GC3HKV, GC8KVF, GC8JEK, GC81RF, GC3Y1Z, GC4CHY, GC8KUT, GC8FBO, GC8JKS and GC8FSU (holding baby).

SAFETY AT TEKTRONIX

Safety with all its implications is a subject on which one could write many, many words. Governing bodies (Health and Safety act 1974) institutions (British Standard Institute) and Societies (Royal Society for the Prevention of Accidents) have all produced volumes on standards and regulations for industry.

Look up the word safety in a dictionary and you will find it means freedom from danger. How does one guarantee that no matter which department people work in, what operation is being performed, whether inside or outside, from kitchen to assembly floor that they will not come to any harm?

The simple answer is of course that it is something you cannot guarantee. A power machine suitably guarded and designed for a specific purpose used in the correct manner is safe. Incorrectly used the same machine becomes highly dangerous not only to the operator but also to people in the nearby vicinity. Cartons stacked in such a fashion to be unstable are an immediate hazard to any one walking by. It would be quite easy to continue quoting similar instances that could produce dangerous situations.

Let's look at some of the equipment we use, and operations we perform at Tek. along with some things that perhaps are not too identifiable.

1. Mechanical Power Machines (portable or fixed) i.e. insertion machines, crimpers, strippers, wood saws, grinding machines, winding machines, etc. The immediate questions that one could ask of this group would be:-
Are all machines adequately guarded? Do people use the machines as they are intended to be used? Can long hair be caught up in any moving part of the machine? If so is protective head gear provided? Does any machine require the use of goggles to protect the eyes?
2. Cleaning processes which use chemicals i.e. Degreasing tanks, ultrasonic cleaning machines, washing lines etc. This group presents different kinds of dangers:-
Is there good ventilation? Is protective clothing provided, and is it worn? Are there 'No Smoking' signs? Are containers housing chemicals suitable, and are they correctly labelled? Is enough known about the chemical to give proper first aid treatment in the event of an accident?
3. Electrical equipment i.e. Test gear, checking equipment etc.
If high voltages are involved is the appliance earthed correctly, and well insulated?
4. Work areas and aisleways.
Is the area kept tidy including benches? Are aisleways clear and entrances/exits accessible in the event of fire and possible evacuation?

In drawing some conclusion from all the words written so far, could the reader give some consideration, (particularly those who have been involved in an accident at Tektronix) to the following:-

No matter how much time and money is spent on training people regarding good, safe working practises and providing safe working conditions etc., there is some truth in the saying, 'A factory is only as safe as the people working in it want it to be.'



THE STONE-AGE TEKS

by AR-GEE

TO THE EDITOR

Dear Sir,

As a regular reader of your magazine and devotee of the gentle art of cycling, may I voice the view of the silent majority of normal cyclists who feel that their recreation may become the subject of legislation (i.e. compulsory wearing of crash helmets) as a direct result of the spate of recent pile-ups involving certain hot-headed cyclists (I use the word loosely) who use the roads as racing tracks.

We view with alarm this trend towards speed and if allowed to continue this can only bring blanket discredit on all free-wheelers.

Yours indignantly,

Say-la-vee.

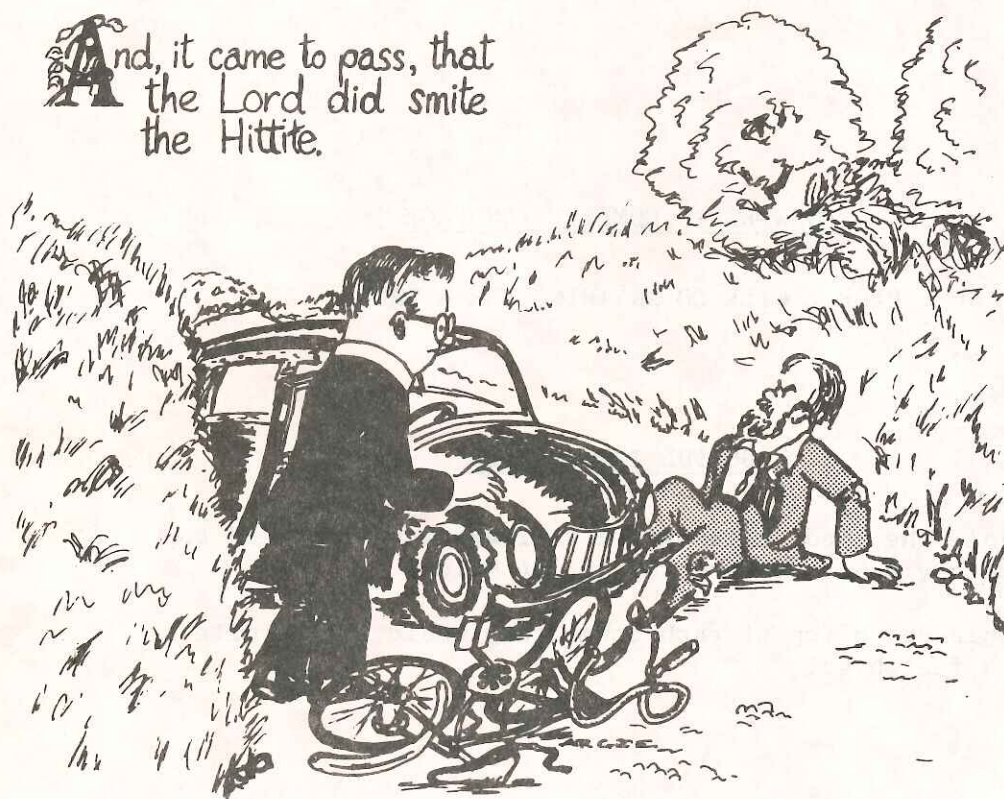
ODE TO A CYCLIST

Andy FitzPatrick thought cycling was fun,
Bowling along in the wind and the sun;
But the No Entry sign was not very plain
As he pedalled into the narrow lane.

When car meets bike the result for sure
Is that bike and rider prove Newton's Law.
Over the bonnet Andy flew at speed
While the car crunched over his trusty steed!

He landed hard and the air turned blue,
Until the driver came into his view!
The shock of it almost stopped his ticker,
'Cos he'd been run down by the local vicar!

Shakespeare



21st BIRTHDAY

23. 9.75. - Ann Peel (T.Q. Vic Ave.)

MARRIAGES

4. 9.75. - Teresa Terry (7000 Series) to
Rodney Batiste.

11. 9.75. - Sally Slimm (Capacitors) to
Alan Brown.

17. 5.75. - Tina Loveridge (T.Q. La Vill) to
Lester Guilbert.

21. 8.75. - Anne Falla (T.Q. La Vill) to
Martin Maubec.

BIRTHS

5. 9.75. Sue (Reception Vic. Ave) and Peter Le Cheminant,
a daughter, Debbie Ann.

6. 9.75. Roslyn (Probes) and Raymond Le Cras,
a son, Gary Neil.

ANSWERS TO COMPETITION PAGE

1. SOME PEOPLE WILL DO ANYTHING FOR A LAUGH!
2. 27.

USEFUL INFORMATION

If all the floor tiles at La Villiaze were laid end to
end they would stretch for 18.334 Miles!

If placed on top of each other they would form a pile
1009 feet high!