

# TEKTOPICS



Volume 5      Autumn      1978



## THIS and THAT

The Tektomics committee have from time to time thought that some improvements should be made to this publication and the question of size, quality and content have been discussed frequently. The outcome as you see is a decision to reduce the size for starters and make it more compact and 'stuffable in the pocket' for casual reading at odd moments. Comments please.

It is, I am sure evident to all that our manufacturing programme is a big one, the order book is looking very healthy and overtime has crept back into our working week. We shall be embarking on a hiring programme to try and attain the necessary level of staff to cope with the workload, produce the output and achieve the ultimate aim of supplying our customers needs without undue delays.

It would be nice to think that whenever we have the opportunity, we encourage friends or relations who maybe are taking the first faltering steps in considering employment with us, to take the plunge and come in for an interview.

We were naturally concerned about the fire in the cycle room. We learned a lot from it and it could have been far worse. A complete answer to questions about the incident is in Area Rep minutes so I will not dwell on the action taken. I feel it worthy of mention however if only to emphasise the extreme care that we all need to exercise in seeing that cigarettes are completely stubbed out, items that can be, are switched off at the end of the day and a lot of things can be done, given thought to make our plant safe. No one wants to see a heap of ashes on arriving to work at 7-30 am.

The subject of a community contribution by Tek on Guernsey has taken a low profile during recent weeks but a committee has been formed to consider the best action to take to establish a worthwhile programme. When this committee is in a position to make known their intentions I'm sure that we will see a good response to assist with the project or projects chosen.

Finally we would want to send our good wishes to all those people who will be leaving Tek in Guernsey to join the EMC in Amsterdam. We hope that they will be happy in their new environment and that increased business will result from their efforts.



THE DIGGIN' O' THE BOGS



THE POWER OF MANUFACTURING  
AT WORK



## RADIO CONTROL

It is sometimes known as retarded development to describe the sight of a grown man playing with his radio controlled models (or toys as they are inaccurately called by unsympathetic onlookers). Isn't there, though, a bit of a boy in every man? Someone even once said that what separates the men from the boys is the price of their toys.

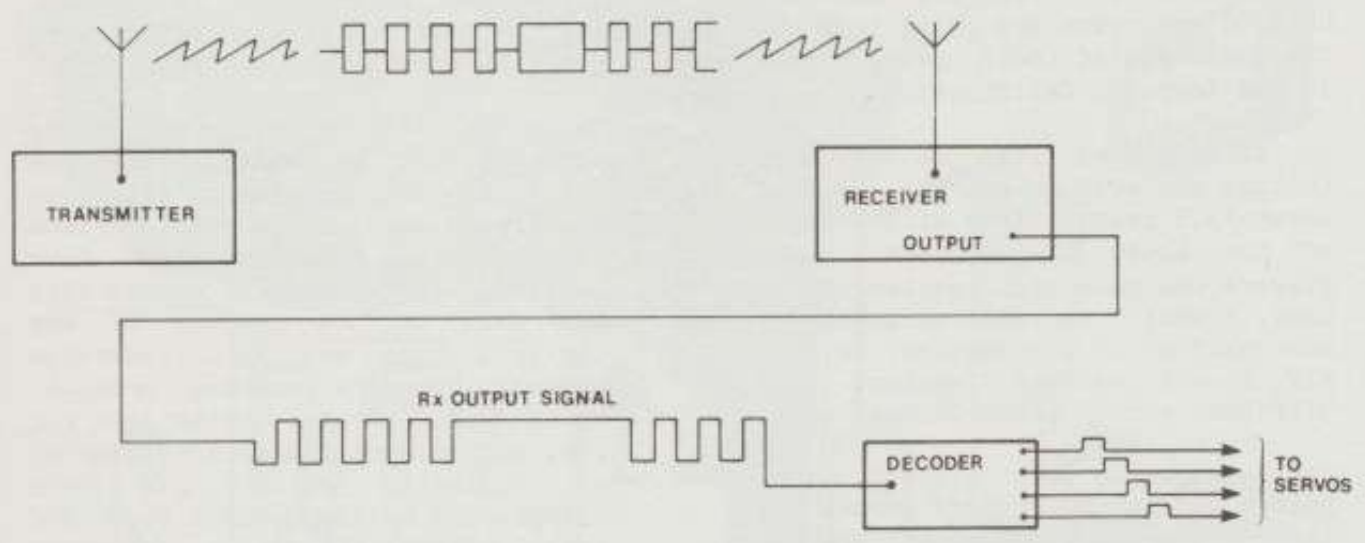
Almost all radio controlled models are now built with proportional equipment, which means that a small movement of a transmitter control is followed, hopefully, with a small movement of a function in the model, a larger movement of the transmitter control gives more movement of the model function. This is all done using simple digital techniques familiar to all electronic engineers and is shown in diagrammatic form.

The transmitter sends out a number of short pulses, one for each channel, that is the number of functions you can control in the model, and is typically four. Each pulse is about 1.5mS wide but this width can be varied from about 1.0mS to 2.0mS by means of the controls on the transmitter. These short information pulses are followed by a much longer pulse known as the sync pulse, necessary to separate the groups of information pulses. The five pulses make up one frame, and frames will continue to be sent as long as the transmitter is switched on. The receiver is really very similar to the common or garden 'tranny', except that it is usually much smaller. It is tuned to its transmitter, and its output will be a string of pulses similar to those from the transmitter and routes them to the decoder. The decoder sorts out these pulses and feeds them to

the servos which are motors with some associated electronics and are used to move a control in the model. The electronics in the servo changes its pulse from the decoder into a DC potential proportional to its width and compares it with the previous pulse's DC potential. If there is any difference, and if you remember we can change its width at the transmitter, the servo motor will turn, moving the control to which it is connected until the two are equal.

Although we've given our transmitter four channels it can, in fact, have any number from one to, in theory at any rate, an infinite number, but in practice there is an upper limit. It takes a certain time to transmit a frame, and the more channels we have the longer it will take to transmit each full frame, so if we vary the width of one of our information pulses, if we have a large number of pulses, it may be an appreciable time, or too long, before the desired control is moved in the model.

Two channels are usually the minimum used, and in an aeroplane these would control the rudder and elevator, or in a boat the rudder and engine. My own latest model, an M.T.B., uses six channels which gives me steering, infinitely variable speed control, stop/start and astern, two independently firing torpedos, a firing gun and a smokescreen. The transmitter I'm currently building has ten channels; just imagine what I can do with that. I can ....., and ....., and .....



## COULD PART of our BENEFITS PACKAGE REALLY READ LIKE THIS

### Excessive Absences

1. Sickness is no excuse. The Company will no longer accept your doctor's statement as proof. We believe that if you are able to go to the doctor, you are able to come to work.
2. We are no longer allowing absence for an operation, and wish to discourage any thoughts you may have about needing one. We believe that whilst you are an employee you will need all of whatever it is you have and should not consider having anything removed. We hired you as you are and to have anything removed would certainly make you less than we bargained for.
3. Death will be accepted as an excuse, but we would like at least two weeks notice as you will be required to teach someone else your job.



## FAMILY and COMMERCIAL

Three sons of Tektronix Guernsey Limited employees are going to spend the Christmas of their young lives in Los Angeles, California.

In their third year at Elizabeth College and with an average age of about 13.5 years. They will be part of the squad of fifteen young players who have been invited by Don Lamy, himself an Old Elizabethan, now resident in Los Angeles, to play six soccer matches against six different school teams in that city.

The lucky three are Richard Gipp, Philip Gill and Richard Forsey and their not so lucky dads (who are to foot the bill rather than the ball) are Richard Gipp, Printing, Eric Gill, Stock and Keith Forsey, 5000 Series.

They leave Guernsey on Friday 22nd of December, accompanied by Robin Roussel and Robin Winstone, both masters at the college, and play their first match on Sunday 24th against Pegasus XI, Don Lamy's own team. After the Christmas Day break they will play their remaining five matches interspersed with visits to Universal Film studios, Disneyland, the Los Angeles Rose Festival, San Diego Naval Base and a skateboarding pool similar to the one which some of us may have seen on television recently. With all this activity it is unlikely that they will win any of their soccer matches before returning to Guernsey on January 5th.

In the run up toward Christmas there will be considerable rivalry between the two Richards who are both aspiring young goalkeepers. Although it is assured that both will travel, there can of course be a place only for one of them between the uprights in each game.

Each of the boys will be hosted separately by the families of the Pegasus XI team and with our knowledge of traditional American hospitality, they should not have a dull moment during which to indulge in the nostalgia of missing their traditional English Christmas.

The costs of the tour are being wholly met by the families concerned but in order to partially alleviate the drains on their pockets, various fund raising schemes have been devised. A successful garden fete was held in the grounds of one family's home and an illustrated souvenir brochure is being produced which will shortly be on sale for 25p, including the chance of winning a football which has been autographed by the Chelsea F.C. and Leeds United F.C. teams. Proceeds from the sale of Christmas Cards and gifts from the Anne Grant catalogue will also swell the fund. Contact any of the three dads above if you have not yet bought your Christmas Cards.

Will you please wish the lads a happy and successful tour. Should they lose all of the matches then maybe the college will send a cricket team next year.

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An extract from Jane's women's page in our last issue reads:

".....check your equipment.

You will need:-

Paper scissors

Material scissors

Pins

Needles etc."

We later received this letter.

Dear Editor,

We have tried out your pattern and we are having some difficulty with the cutting out procedure as we find paper scissors somewhat inadequate.

Yours Sincerely,

Sue Magolan

Thank you Sue, sounds as if you are sharper than the scissors.  
Ed.



"ITS ALRIGHT PHIL — ITS ONLY STEVE TRYING  
OUT ANOTHER OF HIS RECIPES UNDER  
CONTROLLED CONDITIONS."



## TEKTRONIX LIMITED NEW DEMONSTRATION BUS

After almost a year since a decision was made to have a new "Demo Bus", or "Display Cruiser" as it is known in the U.S., I am pleased to announce that the vehicle is now on the road and working well.

The Demo Bus is 11 metres in length, 2.5 metres wide, 3.3 metres high and weighs 10,000 kgs. It is built on a Volvo B58-56 coach chassis and is powered by a 235 bhp mid-mounted 9.6 litre turbo-charged engine. The gearbox has five forward and two reverse gears with a two speed rear axle.

The vehicle is air-conditioned throughout and the sides and roof are double skinned and fitted with fibreglass insulation to meet the varying climatic conditions in which it will operate.

The electrical systems are designed to operate from any of the various European electrical supplies. Conversion to the correct voltages for the electronic demonstration instruments being carried is made internally.

A 12.5 KVA petrol driven Onan generator, complete with 40 gallon fuel storage tank provides the power supply when an outside source is not available. This generator can also be used while the Bus is in transit to operate the air-conditioning system.

The first country to be visited after departure from the UK on Sunday 19th March was Italy, where a two week tour taking in six cities, including one week in Rome itself, has been completed. A large number of people, hopefully including many new customers, have had demonstrations of our products right on their doorsteps. Before finishing this year's planned tours, almost all of Western Europe, Scandinavia and Eastern Europe will have been visited, or at least transited.

The photographs show the very high standard of workmanship carried out by "Contact Displays Limited", of Bournemouth, a company who excel in their field of building Exhibition Vehicles and static displays.

Present at the official "handing over ceremony" were:  
(from left to right)  
John Sarchet, John Colley, Terry Barlow (Demo Bus Driver), Mr Roy Partridge, Managing Director of Contact Displays Limited, Nick Humphries and myself.

Ford Nelson  
17th April 1978







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## HAVE a GO

How many words of three letters and more can you make from TEKTOPICS? Use singular or plural but not both. We managed 58. Can you improve on that?

## HAIR

To have beautiful hair one needs to have healthy hair. This can be obtained by including Vitamin B in ones daily diet. Vitamin B is found in meat, liver, kidneys, wholemeal bread, marmite, peanuts, peas and beans. The vitamin B group helps growth also keeps the skin healthy as well as other things.

### Washing and Conditioning

Oily Hair: This is very obvious to most people and usually requires washing every other day. Always try to use a gentle shampoo as strong detergent types may help stimulate grease and damage hair.

Dry Hair: If one has got dry hair it will feel coarse and brittle and look dull and lifeless. The best thing to do is to visit ones hairdresser who will advise one on what shampoo and conditioner to use.

Fine Hair and Split Ends: This can be a combination of all types of hair, for example, dry one day and greasy the next. Always avoid harsh shampoos, dyes, bleaches and harsh perms. Split ends can not be cured by any shampoo. They have to be cut off by the hairdresser. A trim every six to seven weeks depending upon the rate of growth of hair will keep split ends at bay.

Shampoos: There are dozens of types on the market today and it is only a case of trial and error to find the one most suitable for ones own type of hair. The same applies to all conditioners.

Home Perms and Dyes: When using these packs it is most important to follow the instructions precisely

and not to take any shortcuts as disaster can and does occur. Always ensure that the type one is using is designed for ones type of hair.

To shampoo your hair properly wet hair and apply shampoo. Lather well into the hair and massage the scalp. Leave for one minute then rinse until the water runs clear. Reapply shampoo and proceed as before. When rinsing for a second time the hair will "squeak" when all the shampoo has been removed. The hair should then be towelled dry to remove surplus water, then either left to dry naturally or with the help of a hairdryer. When using a hairdryer never place too near the scalp and preferably use without the nozzle. Concentrated heat will damage ones hair by drying out all the natural oils which help protect ones hair and can therefore cause it to become dry and brittle with split ends.

## RECIPE

CARBONNADA A` LA FLAMANDE. OR  
FLEMISH BEEF STEW WITH BEER.

One of Belgiums classic dishes best served with buttered noodles and ice-cold beer.

Ingredients.

2oz flour  
1tsp salt  
Quarter tsp freshly ground black pepper.  
2lb chuck steak, cut into 1-inch cubes  
4 tbsp vegetable oil  
6 med-sized onions, thinly sliced  
2 garlic cloves, chopped,  
1 tbsp brown sugar  
bouquet garni, consisting of:

4 parsley sprigs  
1 Thyme spray  
1 Bay leaf  
tied together



### Equipment

Sieve  
Small Mixing Bowl  
Flameproof casserole  
Slotted spoon  
Plate  
Skewer

### Method

Sift the flour, salt and pepper into the small mixing bowl.

Coat the meat cubes well in the seasoned flour.

Heat the oil, over a moderate heat, in the casserole.

Add the meat to the casserole, a few at a time, and brown on all sides.

When the meat cubes have become brown remove them with a slotted spoon and place them on a plate.

Now add the onions and garlic to the pan and fry them for 8-10 minutes or until the onions are soft and translucent but not brown. Add more oil if necessary.

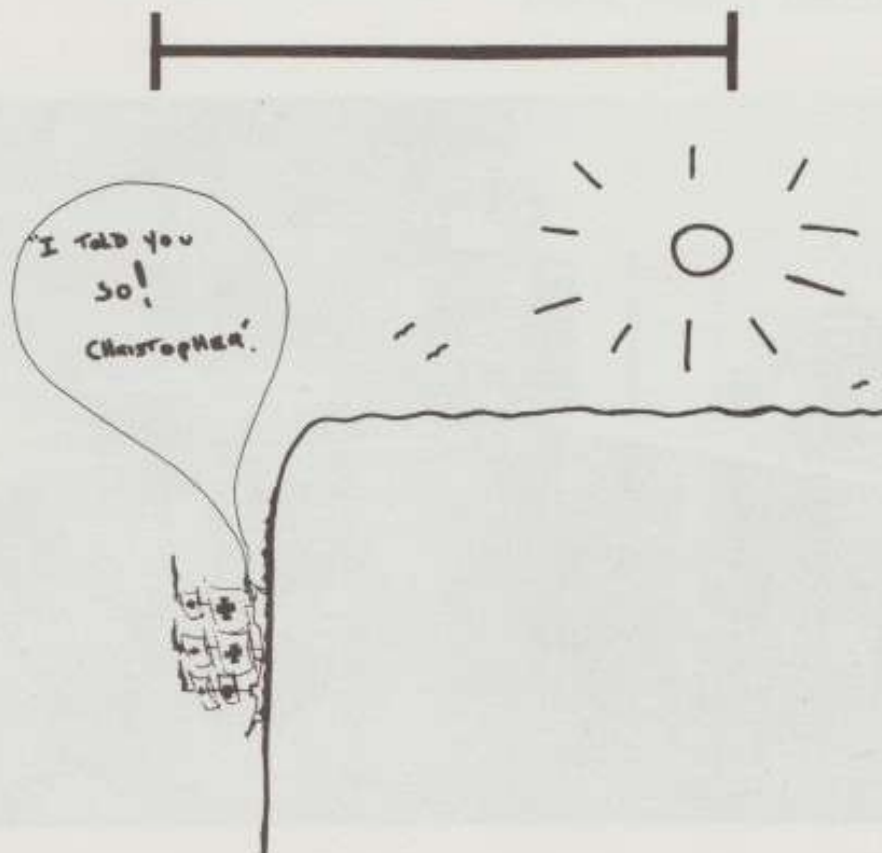
Return the meat to the casserole. Add the beer, sugar and bouquet garni.

Cover the casserole and reduce the heat to low so as to allow the stew to simmer gently for about 2hrs, or until the meat is tender when pierced with a skewer.

After one and a half hours cooking, remove the lid. Simmer for the remaining 30 minutes with the stew uncovered. This will reduce the liquid slightly.

Remove the casserole from the heat, remove and discard the bouquet garni. Serve.

Will serve four persons.



## MACHINE INSERTION

Tucked away in a corner of the Machine Insertion area are two very important and interesting pieces of equipment that we have recently purchased, an insertion machine and a co-ordinate measuring system.

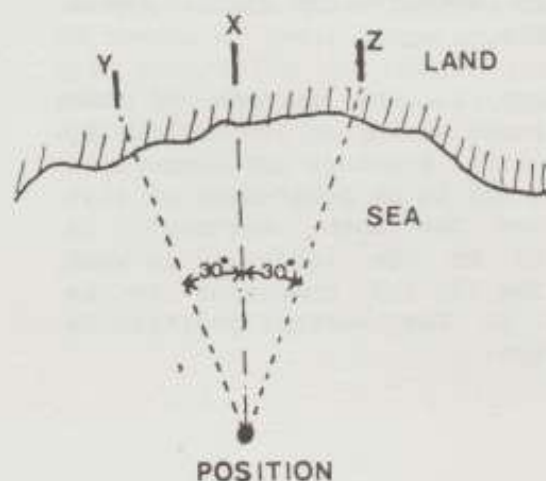
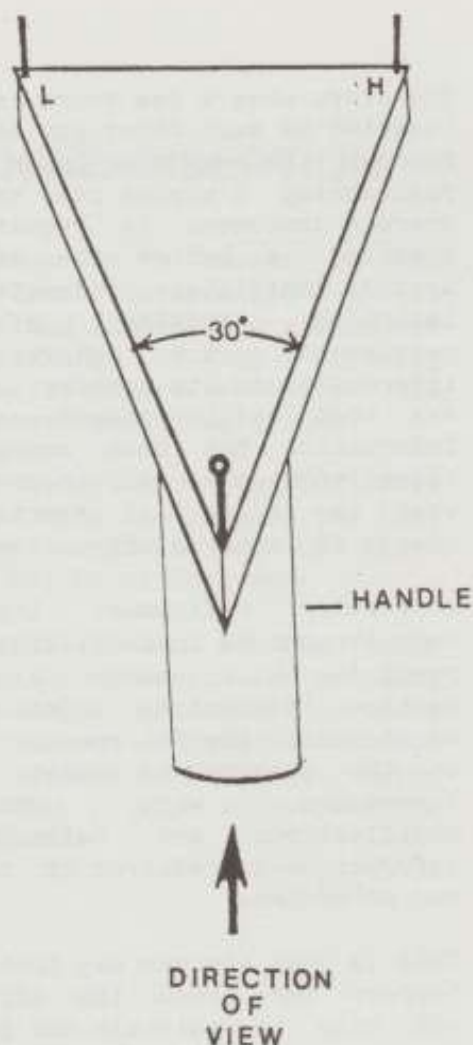
For those of you not too well acquainted with the process in this area, an explanation of their function may be of interest.

A significant number of the axial lead type components (principally resistors and diodes) are currently inserted on to printed or etched circuit boards (ECB's) using machines that require an operator to control them.

In simple terms what now happens is that components that are strung together with tapes in a predetermined sequence using a computer controlled sequencer are mounted on to our machines together with the ECB to be inserted and by means of a pantograph table the operator moves a stylus over a template. This in turn positions the ECB correctly under a head which then takes the next available component from the tapes and inserts the connecting leads of that component into the appropriate holes in the board. Other components that by reason of their shape or size are not insertable by machine are hand added and finally these components are soldered in place on a flow solder machine.







## FISH FINDER

Ever been out in a boat fishing and found the exact spot where the fish practically jump in the boat and have never been able to go back to that exact spot again? Well, this may be the answer. It's solid state, cordless, needs no batteries or maintenance, is unattractive to thieves and it floats.

**Construction.** Any piece of wood cut to the above shape with two nails, one at either corner of the triangle and a wire with a loop in it at the top of the triangle.

**Operation.** The principle of operation is the same as the Horizontal Sextant angle that is used in navigation. But first find the good fishing spot. Locate suitable landmark X. Look through

hole and position left hand nail on landmark X. At the same time note what landmark the right hand nail is lined up with (Z). Still looking through hole place right hand nail on landmark X and again note which landmark the left hand nail is lined up with (Y). Having noted landmarks X,Y,Z one can return to the same spot again.

Sceptical? Barnes Wallis used this principle to drop his special bomb exactly right in the "Dambusters" operation. Anyway if made of sufficiently stout wood it can be used at the last resort as a fish stunner or to occupy the mouth of any large conger that climbs into your boat!

EXTRACT FROM

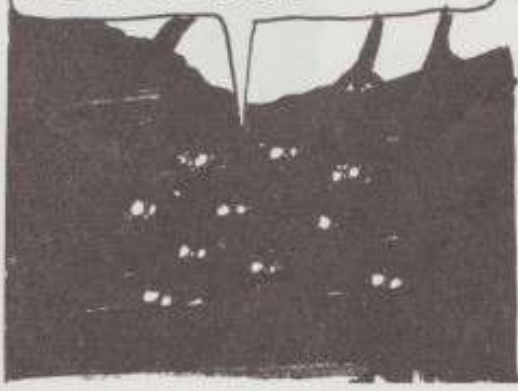
# WEST COASTERS

FOR EONS WE HAVE  
WATCHED AND WAITED....

..FROM DEEP IN THE  
GULLIES AND FROM  
UNDER THE ROCKS...



AND NOW BROTHERS,  
THE TIME HAS COME  
FOR GUERNSEY TO  
ECHO WITH THE  
BATTLECRY OF THE  
NEW ORDER.....



## FORMER POWER !



TERRY



## TEN YEAR TEKS



JOYCE HICKS



DOT JEFFERSON



HERMANN KURZSCHENKEL



BETTY LUCAS



SUSAN MAGOLAN



DENNIS GUMMERSAL

CONTINUED



TERRY MUMBY



JANE MARQUIS



TONY MILLER



ETHEL OZARD



JOHN HAMILTON



## THE WEST SHOW

I've never been one for organized events, preferring to make my own entertainment, away from the maddening crowds so as to speak. But as all fathers know there are some duties or chores as I would prefer to call them, that aren't easy to get out of. Particularly if you have three demanding daughters who consider the West Show as a venue not to be missed on any account. Only one other event in the annual calendar, the Rocquaine Regatta, creates a similar reaction in our household. (Personally I prefer the latter, at least it has the Imperial Hotel and ice cold lager to recommend it). Anyhow under threat of physical injury, discretion being the better part of valour I reluctantly agreed to accompany my tribe in the direction of Les Paysans (with the comforting thought that there is a beer tent!) If there is one thing I dislike more than dogs and smokers (see Tektopics vol 4 summer 77) its fairs, particularly small, inflationary, tired old fairs which it seems to me (biased as I am) appeal to kids more, the less there is. The only redeeming feature is to observe the joy and pleasure my four year old daughter derives from the roundabout, that at least is worth a lot to me, or not if you see what I mean. The roundabout was just about the only attraction suitable for small kiddies at the fair so my pocket took a hammering. Eventually I managed to convince them that the Tug-O-War was worth a look. It appeared to me, with the possible exception of the beer tent, that the Tug-O-War was the most popular event, and I was expected to shout encouragement for teams I owe no allegiance to. It seems to be a particularly strenuous way of working up a thirst. However it does seem to work because at this stage I was definitely beginning to feel a little dry.

The highlight for me was the livestock, where rabbits of all shapes sizes and colours vied with chickens, budgies and ducks for pride of place. We had a particular interest in the Rabbits as two of our dutch rabbits had done reasonably well with a 3rd and a 4th prize. The display of vegetables was also of more than passing interest, I only wish I could grow veg to match those on display. There was one massive marrow that I doubt if I could have lifted, still, it does discourage light fingeredness. One Tek who always has a splendid display is Peter Bott who regularly carries off the prizes for his skillful blending of plants and flowers. This year was no exception and Peter should be congratulated for the superb standard of professionalism he attained.

This year again the weather was nigh on perfect for the Show and that has to be very fortunate considering this years track record for our 'summer'. The Show too was worth a visit. So if you didn't go this year why not try next year to see for yourself what 'the best in the west' has to offer.



# GREENPEACE



There are many world wide environmentalist Organizations of which a great many are well known, we in Guernsey even have our own groups NAG and GANSAS being but two. I wonder, however, how many people have heard of the Greenpeace Foundation.

Some of you may recall quite recently the local news media report about a 145ft ex-trawler named Rainbow Warrior that arrived in St. Helier to meet the Greenpeace Jersey Support Group. Not knowing what Greenpeace or this ships' role was, I sought to obtain more information about the organization. My opportunity arrived about three weeks after Rainbow Warrior left Jersey to continue the Greenpeace campaign when I was invited to attend a meeting, the objective of which was to establish or interest people in forming a Greenpeace Guernsey Group. The meeting went well and what follows is a brief precis of what I discovered about Greenpeace.

The Greenpeace Foundation is a non-violent pressure Group dedicated to the solution of critical planetary problems by direct action and to create a change in thinking towards a "greater ecological awareness". It was formed in Vancouver during 1971 in opposition to United States Atomic Energy Commission's announcement in 1970 that it would begin a series of nuclear tests on Amchitka in the Aleutian Islands. Amchitka lies along a major fault and is prone to earthquakes. The tests were dangerous and environmentalists from all countries on the Pacific rim who feared possible tidal waves and earthquakes protested immediately. The tests were considered unnecessary by critics who contended that the weapons being tested were already obsolete.

Greenpeace chartered an 84ft halibut seiner dubbed GP1 and sailed into the testing site. Unfortunately, GP1 was forced to return because of bad weather, but a second ship, the Edgewater Fortune (GP11) a 120ft ex-minesweeper, was quickly equipped and sailed into the area. However when she was forced to dock for supplies she was arrested on a technicality by the US Coastguard. Crew members of the Coastguard passed a note of support to the protesters and were later fined for having done so. Although Greenpeace had failed to stop the test, enough publicity was generated for the US Atomic Energy Commission to close down the site and turn the entire island into a bird sanctuary the following Spring, thus ending the Nuclear testing programme prematurely.

In 1972 Greenpeace sailed the Vega (GP111), a 32ft ketch, into the Mururara Islands where France was conducting atmospheric nuclear testing. Again enough opposition to the tests had been created, for France eventually ceased nuclear atmospheric testing by 1974.

Greenpeace is involved in another environmental misfortune - the



Canadian seal hunt. Used as a scapegoat for the mis-management of fish resources, the harp seal faces probable extinction within ten years. During the Winter of 1975 GP members went to the ice and stood in front of the sealing vessels to block their access to the seal herds. The Canadian Government itself receives more mail on the seal hunt than on any other issue. It is, after all, the biggest mass slaughter of animals that takes place annually, 150,000 three week old pups, for nothing more than fur trimmings for the fashion trend and also oil (alternatives exist for both). Greenpeace hopes eventually to effect a six year moratorium on all sealing.

It was also during 1975 when Greenpeace announced a plan to send their vessels to protect the last of the world's great whales from the Russian and Japanese whaling fleets (87% of the current whale destruction is committed by Japan and Russia). Again non-violent tactics were utilized; volunteers placed themselves in high speed inflatables between the harpoons and the whales.

In 1972 the UN Stockholm Conference on the Human Environment called for a ten year ban on killing whales. This moratorium is supported by all the major international environmental groups. Yet over 29,000 great whales have been killed in the last year and the ban continues to be ignored. In the last fifty years over 2,000,000 whales have been killed.

Whale oil products are used in a wide variety of materials including cold creams, lipsticks, hair oils, lubricating oils and varnishes. There are inexpensive substitutes for nearly all whale products and those for which there are no substitutes as yet like leather softener may be considered utterly frivolous in view of the sacrifice of natural beauty involved.

During 1976 and 1977 Greenpeace were once again involved in confrontations with Russian whaling fleets and the whole whaling operation has been rendered more difficult and costly as the whalers have to whale "on the run". Documentary evidence is also being obtained all the time on the killing of undersized whales, as Greenpeace continues to call for a ten year ban on all whaling.

By the time this article appears the Rainbow Warrior and her volunteer crew will already be in the Mediterranean to commence the campaign to stop the Montedison complex in Italy dumping 3,500 tons of concentrated sulphuric acid, 2 tons of vanadium and other heavy metals each day just north of Corsica.

The ultimate goal of Greenpeace is not just to save a particular species or to stop a particular abuse on the environment but to help restore ecological sanity.



# THE STONE-AGE TEKS

by AR-GEE



## BOWLS

The Tektronix Bowls Club completed a modestly successful indoor season this spring, with a team in the fours league and a team in the triples.

Outdoors, the club was for various reasons, only able to enter one team in the Northern Bowls Association League, but this team has had a very successful season winning their divisional championship and with it the Mallet Cup for the 1st time since 1968.

Team members were Philip Murphy (skip), Pierre de Garis, Terry Black, Peter Le Bideau, Koos Sheaffer and Paul Le Tissier.

Tektronix employees are also prominent in the administration of the sport island wide.

Henry Le Tissier continues as Chairman of the Guernsey Indoor Bowls League, aided by Terry Black as Treasurer and Pierre de Garis on Committee and Philip Murphy is Secretary of the Northern Bowls Association. Henry Le Tissier also was appointed as team manager for the Guernsey bowls players at the Commonwealth Games in Edmonton (Canada) this summer.

We are now at the start of another indoor session, all welcome, even novices!



## CITY and GUILDS

The following are the results of those employees who sat the June 1978 examination.

D = distinction      C = credit      P = pass.

	<u>MATHS A</u>	<u>PRINCIPLES A</u>	<u>COMPUTERS A</u>
Jane Donaldson	C	C	C
Tony Lance	P	C	C
Paul Le Tissier	C	D	C
Paul Mayle	C	D	C
Geoff Murray	P	D	C
Daryl Selvidge	P	C	C
Colin Solway	D	D	C
John Taylor	D	D	D
Mike Temperley		D	
Jennie Tulie	D		

	<u>MATHS B</u>	<u>PRINCIPLES B</u>	<u>COMPUTERS B</u>
Mike Blanchard	C		
Mike Cotterill	D		C
Alan Le Maitre	P		P
Dave Le Prevost		D	C
Tony Martel		P	
Koos Scheffer		P	
Roger Tipping	C		C
Ralph Bryce	D		

	<u>MATHS C</u>	<u>PRINCIPLES C</u>	<u>COMPUTERS C</u>
Mike Allisette		P	
Paul Fletcher	D	C	C
Richard Fletcher	D	C	C
Jon Lee	P		
Darren McHenry	P	P	
John Rowe Hagins	C	P	P
Ralph Bryce			C

	<u>Advanced Principles</u>	<u>Advanced Computers</u>
Gordon Foulds	D	C
Terry Le Pelley		C
Simon Tostevin		P

	<u>Radio Line A</u>	<u>Radio Line B</u>	<u>Radio C</u>
Daryl Selvidge	D		
Nigel Lihou		P	
Mike Allisette			P



## PASSING OUT PARADE for TECHNICAL TRAINEES

Once again it was very satisfying to see that our Technical Trainees successfully completed the in-house Tektronix two year training course.

Everyone concerned is to be congratulated and I'm sure we all appreciate the time and effort that they have devoted to their studies.

Al Graham, European Finance Manager presented the certificates and talked to them about Tektronix as a rapidly expanding Company with many opportunities ahead for those who were determined to work hard.

Doug Campbell, Training Manager and his people have obviously done a thorough job also in preparing the courses and in attaining a high standard of teaching.

I'm sure the male trainees will forgive us for selecting our one female Jenny Tulie being presented with her certificate by Al.

The members of the group from left to right are:

Doug Campbell, Dave Le Prevost, Alan Le Maitre, Phil Reeves, Nigel Linou, Mike Blanchard, Mike Cotteril, Roger Tipping, Gary Fusilier, Chris Bennalick, Jenny Tulie, Richard Tostevin and Phil Troalic.





## CRICKET

The 1978 cricket season has drawn to a close, a season in which Tek fielded two teams, in the first and fourth divisions. At the time of writing I can find out very little of how the "A" team fared except to say that I hear that one or two batsmen were a little off form. I also hear that our demon fast bowler was viciously attacked by a renegade lawn mower which put his feet out of action for part of the season, but with all this they managed to stay in the first division and so look forward to better times next year.

The B team however started on a high note, scoring three victories in the first four matches but had difficulty in raising a team later in the season, sometimes fielding as few as eight men. The most notable points to emerge from a very enjoyable season were that three times Peter Sirett scored over 40, the highest being 47 not out.

Perhaps the most exciting game was against the Post Office, after Tek had batted and with Post Office needing only two runs off the last over to win Roy Grice bowled a double wicket maiden to win the match for Tek.

The best team effort was probably against the Salemites on a night when Tek could only field eight men but with very good fielding and batting managed to pull off a win in the last over.

Play in the lower divisions is not as serious as it is in the top divisions and an enjoyable time is had by all, but as mentioned above we struggle to raise a team sometimes. Anyone who is interested, don't forget to come along next season, remember it doesn't matter whether you have played before or not.

# GARF



## LETTER to the EDITOR

Dear Sir

It is with regret that I feel it necessary to enter a protest at what I consider to be a very regrettable trend observable in your quarterly. I refer, of course to incipient if well disguised xenophobia. The main symptom of this lamentable weakness is not to be seen in excessive self praise, but in the detraction of the those considered inferior.

Perhaps if I quoted examples from past issues the scales of incredulity might fall from your eyes.

Volumn I No.1 was innocuous enough merely a few fanciful stretches misrepresenting typical Frenchmen and Australians.

Issue No2 contained a call to preserve our system of measurement in order to confuse "foreigners" (naked xenophobia)

Issue No3 a joke about the alleged meanness of the Scots (well it was a Christmas issue)

The next year (1975) was fairly restrained but 1976 started with innuendo that Scandinavians who don't rape and pillage are a little strange, a "have you stopped beating your wife yet"? proposition, and a claim that Guernsey is better than Jersey because we have better marine worms! (did I get that right?) followed in the next issue by an article purporting to be in honour of the American Bicentennial, but in fact showing revolutionary Americans in a less than favourable light, and so it continues:- 1977 was definitely the year of the Irish "joke", but 1978 has shown no new trends. (Except downhill) can we not have a period of restraint? A few issues where we laugh more at ourselves and less at others?

I appeal for fair play, yours

sincerely

Seamus O'Shaunaughsy Tostevin



# space oddity

Who said there was no open space left on Guernsey?

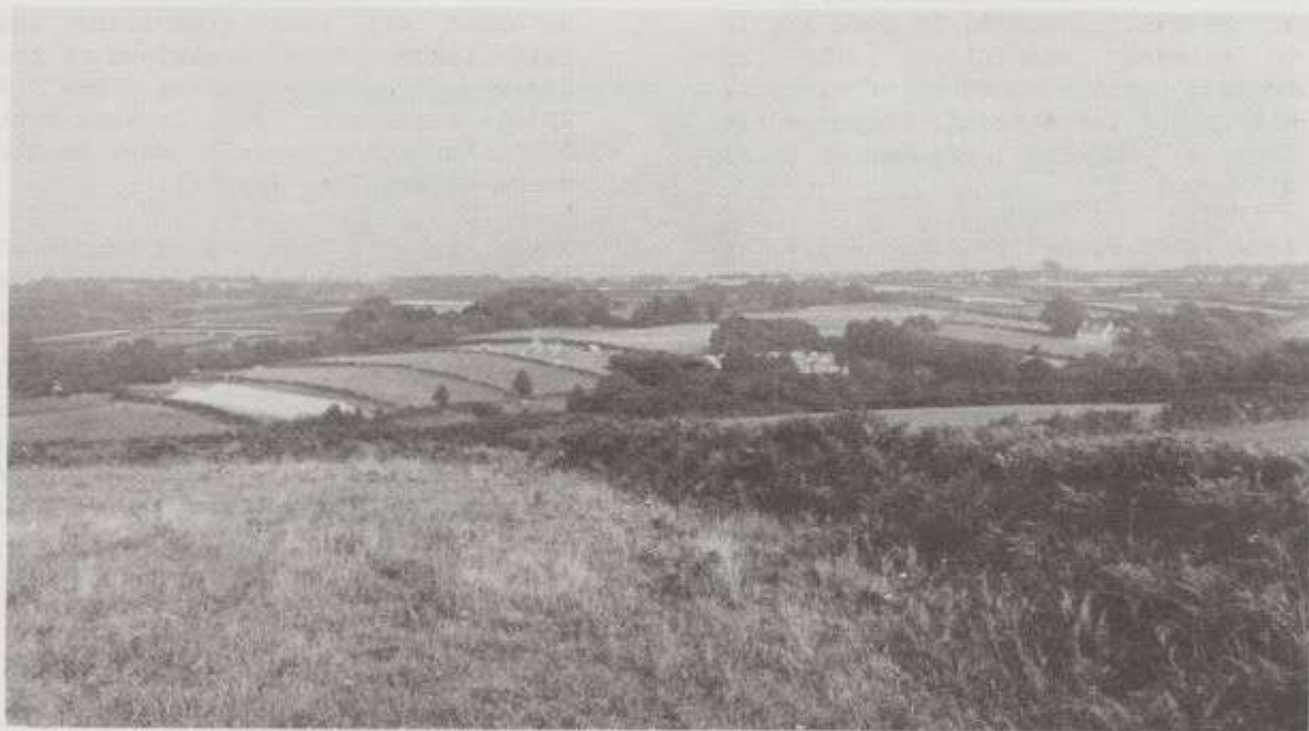
Get yourself a Perry's Guide and see if you can fill in the correct grid line intersection giving the position of the photograph by putting the reference letters and numbers in the squares.

PERRY GUIDE MAP PAGE .....



## EXAMPLE

B/1	B/2
C/1	C/2



Put your answer in a sealed envelope and send it to the Editor. The first correct solution opened wins. Clue Camera faces in an easterly direction.

## TM 500 in SPACE

### BY DOCTOR WHO

Did you see the article in Vol8/No46 of TEKWEEK about the use of Tektronix instruments in a new TV science fiction series? The series is called Battle Star Galactica and stars Lorne Greene.

If we do get a chance to see the series on this side of the Atlantic then the chances are - if you are at all technically minded and thought you knew how a FG501, or other piece of Tektronix equipment worked - you will be in for a few surprises.

Film makers are much better at maintaining accuracy than they used to be but one can still see the odd Messerschmitt 108B masquerading as an ME109E. Nothing is more liable to release carefully built up tension than a squadron of sinister Mitsubishi Zeros being revealed as innocent Harvard trainers in Wolfs clothing.

Anyway, to return to the point in question. If you are a push-over for sci-fi on the 'box' you must have been annoyed at some time by the blatant mis-use of electronic equipment or the controls thereon. I remember in one of the earlier spy films the remarkable use of a Tek 547 (Triggering) knob to open some remote electrically driven doors. Even the (Slope) knob has been used to operate closed circuit Television.

Some of our older readers may remember the case of the alien beings being held at bay by a small hand held grid-dip oscillator. For those with shorter memories this is only marginally more effective than a Weller soldering iron with the bit missing.

All this is very distracting and sometimes frustrating because rarely can you shout "did you see that" with the family deeply engrossed in the plot. Even if you did manage to get their attention any explanation on your part is only likely to get you labelled as a total bore.

How much better it would be if studio workshops built their own hardware with direction from someone with a bit of electronic know-how. We could all then experience the full tenor of a breakdown of the Tardis without wondering how a 2N3904 transistor with its legs bent up in the air manages to work as the heart of the Time Crystal.

There doesn't seem much chance of this however, and next year no doubt our ears will be ringing with these words spoken from Lorne Greene:-

"One step closer and we will all be finished. Just one twist of this 'Function' knob on my FG501 and the Universe as we know it will be gone forever."

Try not to laugh!



## ENGAGEMENTS

Diane Tostevin (Marketing Support) to David Ellis	16.2.78
Carol Luce (Prod/Supp) to Jonn Roussel	21.2.78
Sue Mauger (400 Series) to Sam Savident	28.2.78
Sandra Wembridge (Credit) to Kevin Ogier	3.3.78
John Lea (400 Series) to Karen Blackwood	10.3.78
Kevin Le Gallez (Materials) to Jill Chadwick	22.4.78

## BIRTHS

Jean and Colin Bond a daughter Elizabeth Stephanie 29.3.78  
(Information systems)  
Sue and Gordon Foulds a daughter Kristen Lisa 6.6.78 (400 Series)

## 21st BIRTHDAYS

Sandra Gilday	12.7.78	Products Group
Mike Hamon	1.8.78	7000 - 1900 Series

## MARRIAGE

Barry Carre (7000 Series) to Anthea Tomlinson (Training) 21.7.78