

TEK TOPICS



Miss Tektonia 1977



Volume 4 Winter 1977

THIS and THAT

Goodness, it's Christmas again and the end of 1977 rapidly approaches.

The end of a calendar year roughly coincides with the time when we have visibility of our performance against plan at the mid-point of our financial year, so it is an appropriate time to reflect on the first half and weigh up the prospects for the second half.

Without going into details, the demand placed on Guernsey for our products has been above our initial expectations, and hence ahead of the fiscal year plan.

This has had the effect of leading us into a heavier production programme than expected, and as a result of a more active hiring programme.

I'm sure you'll all agree however that this is a satisfying situation to find ourselves in, especially as the order level trend would seem to be being maintained with expectations that it will continue in the immediate future. This naturally calls for a big effort from everyone so that we are as successful as possible in providing the required products to the customer at the right time and at the right quality level.

Our lovely Miss Tektronix 1977, Hazel Whyte, surely deserves front page treatment, but no less worthy of mention are the rest of our courageous girls who entered the competition, I think they were all very plucky and deserving of a big thank you. It was good to see an excellent turn out on this occasion just like old times, what a pity we seem to be so reluctant to attend Sports and Social Club Meetings. I'll be at the next one, why don't you join me whatever your views - think about it.

We were all very sad to learn that Fred Mahe, 400 Series Utilities, died suddenly on the 21st October. Fred had been with Tektronix for fourteen years and was a conscientious worker who was liked by all. His is sadly missed.

This issue contains the second and final installment of "America by Greyhound", our two girls have certainly done a fine job in relating their experiences. Thank you Ann and Jean.

Finally, the Tektopics team would like to wish you all a Very Merry Christmas and a Happy New Year.

PRODUCT SAFETY

During November you may have noticed several strange faces around the component evaluation department. The faces belonged to Rich Nute, corporate product safety engineer, and two Czechoslovakian engineers, Messrs. Sredl and Malak. Also present briefly was Franz Lewitsch, a field engineer from Rohde and Schwarz Tektronix Austria.

The reason for their presence was to test a number of our instruments for compliance with IEC 348, the European safety standard; The two Czech engineers represented the EZU, the Czechoslovakian Safety Authority. It is important that our instruments meet their safety requirements so that they can qualify for import to Czechoslovakia.

Some twenty different instruments, including TV, were examined, and apart from a few minor points our products stood up very well to the close scrutiny and testing

procedures. Particular attention was paid to power transformers, which were subjected to 1.5KV insulation as well as 95% humidity tests.

Product safety has become an important issue in recent years with many countries demanding a high level of safety related design from manufacturers. There are many different safety standards throughout the world, perhaps the two best known being underwriters laboratory UL (USA) and IEC (Europe). Ultimately a common standard may emerge and certainly it is the intent to work towards this goal.

Tektronix is committed to meeting all safety standards eventually and this series of tests takes us a few steps closer to meeting our objective.

Apart from the real issue of manufacturing inherently "Safe"



PERSONALITY PAGE

instruments, (which is the avoidance of electric shock to the individual), it is not our intention to lose sales as a consequence of not complying with a particular standard.

The testing was carried out with the able assistance of Keith Dumont, who provided not only back up Technical support but also a mountain of preparatory work getting together facilities and test equipment and making sure the visitors had every

PRESENTATION DANCE

facility available on hand to them. Marketing Support was provided by myself and vote of thanks is due to the many other people who somewhere along the line helped out with chores such as typing, zeroxing and instrument provisioning. A good job well done!

Terry Hamon

SON OF BAKER?

No! it is our "friendly" Bas Baker from Stock (La Villiaze) meeting a younger and perhaps better looking version of himself in the shape of visiting Product Safety Engineer from Beaverton, Richard Nute.

Richard is overseeing a visit by two Czech. Engineers, which is explained elsewhere in the mag. I was tempted to headline the photo 'Check-mate...ugh!', perhaps not.



PRESENTATION DANCE

The Annual Presentation of Sports Trophies took place during the evening with Miss Tektronix 1977, Hazel Whyte, fulfilling her first public engagement. Unfortunately not all the winners were present to receive their trophies.

A full list of winners is as follows:-

Mens Darts - Tony Shepherd, Pairs Darts - Tony Shepherd/Martin Vennard, Ladies Darts - Jackie Smith, Mens Shove Ha'penny - Gerry Simon, Ladies Shove Ha'penny - Mary Lihou, Draughts - Ted Quesnel, Dominoes - Mary Lihou, Snooker - Brian de Carteret, Bar Billiards - Pete Sirett, Chess - Ray Coquelin, 5-a-Side Football - 400 Group, Interdepartmental Darts - Doug's Dollies, Euchre Pairs - Mike Hamon and Tony Martel, Euchre Trios - Doug

Eley, John Fallaize and Taffy McCarthy, Angling Points - Colin Tostevin, Angling Specimen - Jack Moffatt Badminton Singles - Geoff Jordan, Badminton Pairs - Geoff Jordan/Dave Leafe, Tennis - Peter Fulwell, Table Tennis - Jennie Dye, Bridge - Tom de Garis and Bill Presland.

Indoor Sportswoman of the year was a very suprised and delighted Mary Lihou.

Ted Thoume knew that he was Sportsman of the Year as he had tied on twelve points with Pete Sirett and had been the victor in a playoff at Shove Ha'penny.

Several people were first time trophy winners and from the numbers of competitors it is obvious that the sports side of the club is flourishing.

T'WAS XMAS IN THE KITCHEN

Ten for dinner, twenty for tea,
That's Christmas with the family.
And from eight o'clock in the morning,
Turkey's cooking and mince pies warming.

Ten o'clock and no beds made,
Dad's down the garden with his spade,
Digging carrots, and picking brussels
To feed his family, build their muscles.

Big sister tries out her culinary art,
Brightening up an apple tart.
A neighbour screaming down the 'phone,
Can we send her offspring home.

Dad takes the dog for a walk,
His head can't stand up to the talk.
He's probably gone out for a beer,
Just as well he isn't here.

Poor old Mum is out the back,
Peeling tattees out the sack.
Very thankful amidst the cheer,
That Christmas comes just once a year.

SPORTS FLASH !!

Mike Hamon finished on a high note this season when he won the Sandy Trophy. This cup is awarded to the golfer who has the lowest total of six scores on selected competitions.

Jenny Dye and Ron Bridel, under the title of Tek 'A', won the first division of the Thursday Business House Table Tennis League. This total of 41 points was two more than their nearest rivals.

Tek 'D' and Tek 'E', playing in division two of the Tuesday League, both won promotion. Tek 'B' failed to survive in division one whilst Tek 'C' remain firmly entrenched in division two of the Thursday League.

PERSONALITY PAGE

Of course you know Joe Guerin, I mean everybody knows Joe Guerin, well most of us that is.....Joe has been with Tek since 1958, and that has to be 20 years next year if my arithmetic is correct.

spectacular results from cable harnesses melting into one plastic mess to 350V working electrolytics exploding in your face showering bits of aluminum foil all over the place.



I always remember Joe from my early days with the Company as his bench was across the way to mine in Test and I well recall one day alerting him to the fact that there was smoke pouring from a upturned 545A on his bench, but a very excited Joe replied "Don't switch it off, don't switch it off, I must find where it is coming from!"

Joe was the very first pre-cal man in Test in the early days, a bit of a hazardous job with 100V, 350V and 500V rails supplied from a transformer you could just about lift with one hand, a real nasty wiring error could cause most

It was whilst recalling these times with him that I ultimately dared to probe into his past life before he joined Tek and found out many interesting things.

Joe was born in Guernsey, his father being French which incidentally led to Joe being called up to serve in the French Army in 1946! This he ignored and nothing came of it. However, he was evacuated to Bury in Lancashire in 1939 and attended the Notre Dame school there. He later joined the Forest school which had found its way to Cheadle Hume in Cheshire and eventually, like so many of us, returned to Guernsey in 1945 and having gone through a

period of trying unsuccessfully to settle down, joined the Merchant Navy in 1948, serving for 18 months and finding himself travelling mainly to the Western Mediterranean area.

In 1950 Joe decided to change Services and joined the R.A.F. and was stationed in Germany for a year serving as a Radar Mechanic attending electronics lectures and taking correspondence courses. Eventually he applied to sign on for a course to learn Russian and Chinese and become an interpreter and was accepted, but found that this meant serving for a further five years so out he came in 1955 to work for EMI in London fault finding on various types of electronic equipment. Eventually his island home called him back in 1957 and a year later there he was at Tek.

Joe must have felt a bit more settled by then as he took the bold step of getting married in 1959 to Molly, a Guernsey girl and they now have a family of two girls and two boys.

Our first precal man moved to La Villiaze when it was first completed and worked in Test on the full range of instruments, and eventually moved to the TQ and 5000 Series group when the product lines came into being, on trouble shooting and calibration. He has since found his way back to Victoria Avenue where he now works in the Engineering support area, maintaining test gear for the TQ lines and developing such things as Ferret programmes and fixtures.

Joe has some unusual hobbies such as taking an Open University Course in Biology with the hope of gaining his degree in four years time. He insists that this is purely for

interest and enjoys performing the various experiments which he receives in kit form. These he told me have involved the dissection of a sheeps brain with every component part having to be labelled. He also has had to breed maggots, measuring the amount of oxygen they consume.....I changed the subject.

Our personality as many know is also a very talented artist and has a nice little business going for himself in drawing Guernsey scenes and finishing them in a kind of Moss print style, but with a difference. If you look carefully in many of the shops in town you will see his work up for sale. Joe shares a stall in the Viera Marchi with his only local competitor and has sold his wares to customers who have bought them as presents to send to most parts of the world.

Guerin the boat builder has also completed a 14ft. dingy built in strip planking, a joint venture with Keith Forsey and later attempted and successfully completed a power driven catamaran which he named "Derushette", a name taken from Victor Hugo's "Toilers of the Sea".

Finally, Joe told me that he always enjoys talking with people comparing experiences, he enjoys reading science fiction, war stories, and of course reads a lot in connection with his Biology studies which occupies 5 to 10 hours of his time every week. His pet hate is terrorism, anti racialism and anything that ultimately leads to violence.

At the end of our chat Joe insisted that there was nothing in his life story that was of any interest to anyone, what do you think?

1. Fit a word in the brackets to form the end of the first word and the beginning of the last word.
e.g. PASS(PORT)FOLIO
PASSPORT - PORTFOLIO
- GOAL(____)AGE
 - CARD(____)ROOM
 - FAT(____)RING
 - HAND(____)WHAT
 - ROUND(____)STRONG
 - HOME(____)LADY
 - HAT(____)LEADER
 - SHIP(____)AGE
2. Soccer Mixup - match the football teams with the players surnames. (Each player is well known in the team)
- | TEAMS | PLAYERS |
|----------------|--------------|
| 1. LEACHES | 1. TITLEL |
| 2. WET MASH | 2. SHE HUG |
| 3. TO VANILLAS | 3. SWINKIL |
| 4. PLOVER OIL | 4. I M A CAR |
| 5. DUN MAT | 5. LEASH |
3. Find the next number in the sequence:
- 1-3-6-10- ?
 - 49-36-25-16- ?
 - 1-5-11-17- ?
 - 1-8-27- ?
 - I-V-IX- ?
4. Find the other half of the famous pairs:
- SIMON AND ?
 - HOLMES AND ?
 - FLANDERS AND ?
 - ALCOCK AND ?
 - SEARS AND ?
 - FORTNUM AND ?
5. Name the stars who made these characters famous:
- COLUMBO
 - DR KILDARE
 - TONTO
 - CIRCUS BOY
 - DOUGLAS BADER
 - INSP. REGAN
 - ANNIE WALKER
 - JIM HARDY
 - PEPPER ANDERSON
 - BRONCO LANE
 - DAVID HUNTER
 - ANGELA RIPPON
6. A horse is tethered 20 yards from the edge of a small circular wood on a line 60 yards long. The wood is 50 yards in diameter. How far into the wood can the horse go?

AMERICA BY "GREYHOUND" PART 2

LOS ANGELES - "DISNEYLAND"

Hi folks,
If you weren't all bored by the first part we hope that you will find the second part just as interesting. We had been travelling for nearly two weeks and had already covered approximately 2,650 miles.

We rose the next morning, Saturday, June 4th at 6.30 a.m., and once more made our way to the Greyhound depot where we ate a good breakfast before setting off to Disneyland.

Disneyland is situated in a suburb of Los Angeles called Anaheim and was first opened in 1955. People in their thousands go there to join in the fun and excitement of this unique "Wonderworld". After booking into a Motel next to the famous Disneyland Hotel, we walked a few yards to the Disneyland entrance and paid for admission and a book of adventure tickets, this costing us about 4 pounds. Our first visit was to Frontierland which takes one from the Revolutionary War era to the final taming of the great Southwest. In Frontierland, one can help paddle a canoe on the Rivers of America. The river winds through Mark Twain country, and one can see it all from the decks of a Mississippi Stern-Wheeler, the sailing ship Columbia or keelboats of Davy Crocketts' day. Back on the mainland the Wild West lives again in the Golden Horseshoe saloon where the rollicking floor show takes place. Aboard a mine train one can tour the great North American wilderness in Natures Wonderland, a seven acre wildlife preserve filled with more than 200 lifelike animals, birds and reptiles. These adventures gave us the feeling of having lived, even for a short while, during the country's pioneer days.

We next made our way to Bear Country the newest land in Disneyland which

is also among the oldest. Set in the Great Northwest of the late 1800's Bear Country is a lighthearted blend of the authentic with the fanciful. We visited the Wildest Show in the wilderness, the Country Bear Jamboree. Here we were entertained by extremely life like bears who sang, danced and enthralled everyone with their incredible show. Their movements were not stilted in any way, we could have sworn they were real with their chests heaving, toes tapping and so many different facial expressions. After dining at the Hungry Bear Restaurant we then continued on our way to New Orleans Square - New Orleans of a century ago when she was the "Gay Paris" of the American Frontier. Flower markets, a tradition of old New Orleans, add colour to the streets and courtyards. The quaint shops offer treasures from all over the world. Diners in French and Creole cafes are entertained in true Dixie-like fashion. The original architecture and atmosphere of old New Orleans of the 1850's has been retained, the narrow winding streets, intimate courtyards and iron lace balconies are authentic in every detail.

New Orleans Square is the gateway to Disneyland's swashbuckling adventure, The Pirates of the Caribbean.

We had to queue for almost an hour before boarding a flat bottomed boat which cruised through haunted undersea grottos and into a Caribbean Seaport under attack by a pirate galleon where buccaneers captured the defenders, auctioned their fair maidens, looted the village and then, in one of the most spectacular climaxes to any Disneyland adventure, they turned the whole town into a raging inferno.

We next stopped at the "Haunted Mansion" which delighted us with its ghosts, ghouls and goblins "dying" to meet us. We were taken through rooms and halls filled with wall to wall screams and chills, and finally into the world's wildest graveyard. After we had recovered from this terrifying experience we made our way to "Adventureland". Here we took a cruise and soon found ourselves far from civilization, in the remote jungles of Asia and Africa. Here, through a unique combination of living plants and lifelike animals, we travelled by boat down mysterious rivers exploring the misty rain-forest of the Amazon, the hippopotamus-filled Congo, and the swirling rapids of the Nile. Adventure lurked around every bend, in the rivers we saw crocodiles who guarded an ancient shrine and elephants splashed in their sacred bathing pool. In the grasslands of the African Veldt, lions, zebras and giraffes portrayed the law of the

jungle; survival of the fittest.

Fantasyland was our next stop, here in the happiest Kingdom of them all we journeyed with Snow White through the dark forest to the Diamond Mine of the Seven Dwarfs, escaped from the clutches of Mr. Smee and Captain Hook with Peter Pan, and raced with Mr. Toad on his wild car ride through the streets of Old London Town. Dumbo the elephant with aerodynamic ears was there to take tourists on flights above Fantasyland whilst the haughty caterpillar of Alice in Wonderland was taking passengers down the Rabbit Hole into the Upside Down Room and Fulgey Wood. We also took a short trip in a colourful Dutch canal boat to Storyland where we saw the miniature homes of the Three Little Pigs, Pinnochio's Village and Cinderella's Castle.

One of the latest attractions in Fantasyland is "It's A Small World" its stars being the children of the

THE STONE-AGE TEKS

By Ar-Gee





world. The musical fantasy featured the songs and dances of youngsters from more than 100 nations, each singing in his own native language. For the finale all the children joined in to sing "It's a Small World After All".

Towering high above Fantasyland is Matterhorn Mountain, an exact scale replica of the famous Swiss Peak. We raced up and down its slopes in a bobsleigh and had a lake-sized splash down at the bottom; terrific fun.

In Tomorrowland we explored the mysteries of liquid space aboard an authentic submarine, where we saw mermaids, numerous sea creatures and treasure troves.

We climbed aboard Tomorrowland's swinging Carousel Theatre for "America Sings", a magical joyride to Musicland U.S.A. More than 100 Audio-Animatronic stars sing and

play the popular songs of America, from the "in" tunes of yesterday to the "way out" sound of tomorrow.

We had to queue for almost an hour for the very latest attraction in Tomorrowland and the spectacular "Space Mountain", on a roaring rocket we raced through outerspace, to be met with hurtling shooting stars and comets. This ride lasted for about 10 minutes and we all agreed it was the best roller coaster ride we'd ever been on and had been well worth waiting for.

On leaving Disneyland we went for drinks in the nearby Disneyland Hotel, we reached the cocktail lounge which is on the top floor via an outside elevator made of glass and similar to the one in the film, "Towering Inferno".

We had thoroughly enjoyed our two days in Disneyland and were rather reluctant to leave as there was still a lot to see and do, but time

was running short and we had to cover almost two thousand miles more before returning to Edmonton.

On returning to the Greyhound Depot in Los Angeles we bought tickets to Flagstaff and had a light meal before leaving at 7.45 p.m. The journey of 485 miles took us about 11 hours and we were rather tired when we arrived at Flagstaff at 7.30 a.m. but we couldn't stop yet as we had to get another coach to the Grand Canyon. This was only a two hour journey and on arrival we booked a charming rustic log cabin for two nights. These cabins were clean and comfortable and had both hot and cold water and cost us 3 pounds 50 pence each per night. We had a short rest before setting off for a round trip of the Canyon Village on the local free fares shuttle bus. After looking around the village we set off for Yavapai Point, where we had our first views of the Grand Canyon. It was truly an amazing sight.

Wind, frost and the Colorado River have gouged this magnificent canyon out of the slowly rising landscape of Northern Arizona. The Grand Canyon is 217 Miles long, an average of nine miles wide and one mile deep. It includes four of the seven known zones and 270 different kinds of animals. The overwhelming beauty of the Canyon comes from its proportions and the Kaleidoscope of colours as the sun illuminates the different zones of time stratified in its walls.

We were all fascinated with the Canyon and decided that we'd take a walk down the "Bright Angel Trail" the next morning. So after seeing the sun set over the canyon we returned to our cabin and had a good nights sleep.

The next morning after breakfast, we prepared ourselves for the hike down the canyon armed with plenty of

drinks, (the rangers there recommended hikers to take half a gallon of water down and a gallon up per person) food and plasters. We left the Bright Angel Lodge and started the long walk down, a little late at 11.30 a.m. Unfortunately a thunderstorm had prevented us from leaving any earlier so we had decided just to try and walk down a third of the way. The dusty trail wound its way back and forth and we'd walked almost a mile, but looking upward it seemed that we were only a few feet down from the top! Going down by mule had crossed our minds, but we were all glad we had decided against it when we saw the mule trains almost tottering over the sides!

There are several water stops along the trail and we made it to the second one before deciding that if we were to get back in daylight to the top we had better head back. We took several photos of the canyon and its wildlife and had a rest before starting the strenuous walk back up at 2.00 p.m. We were rather sorry not to have reached the Indian Gardens which are about halfway down the canyon, but we met several other hikers who told us that it would have been too late for us to get there and back in what time we had. Many hikers reach the bottom of the canyon in one day, stop at a nearby ranch or camp and make the return journey to the top the next day.

The sun was out by now and it was extremely hot as we walked slowly back and according to the rangers it would take us almost twice as long for the return journey.

It was very hard going and we were all thankful that we'd liquid refreshments with us as we stopped on numerous occasions for rests and drinks. The hike back took us three hours and we were all hot, dirty and exhausted as we arrived back at the Bright Angel Lodge. As it was the

thought we'd eaten the lot ourselves.

Our next stop was a short break for 20 minutes in Cedar City before going on to Fillmore which was the first town to be built in Utah. We stopped here for lunch leaving at 11.30. Before reaching Salt Lake City we passed the State Penitentiary wher Gary Gilmore was imprisoned and recently executed. We also passed Robert Redford's Ranch "Sundance" and the home of the Osmonds. It was hot and very windy when we finally reached Salt Lake City at 3.00 p.m. the gales practically swept us off our feet. We checked in at a nearby Hotel before visiting the famous Temple Square.

Here we saw the Seagull Monument which commemorates the rescue by Seagulls of crops which were being devoured by swarms of locusts in 1848, and 2nd year of the Mormon Settlement. We would have liked to have seen inside the Mormon Temple but unfortunately only Mormons are allowed into the monumental six spired building which dominates the city centre. The city which is 70% Mormon is remarkably clean and free from all signs of slums and poverty. The Mormon Church's strict laws on drinking and smoking are behind the State laws which forbid smoking on buses and make it difficult to get a drink. We found out later that our Hotel was managed by Mormons and so did not have a cocktail bar (much to our dismay). However, we were told by the hotel staff that we could buy alcohol from the liquor store in the next hotel if we so desired.

We would have liked to have visited the Great Salt Lake, which is 12 miles from the city, but due to the delay in leaving Canyon Village we found that we just didn't have the time.

The coach left the next morning at 8.15 a.m. for West Yellowstone. Unfortunately, we were delayed by over an hour at one stop, Great Falls in Idaho, as the coach had to wait and pick up passengers from another coach who were also travelling to Yellowstone Park. A few miles before arriving at Yellowstone we passed through Retsburg, a village which had been almost totally destroyed by floods when the Teton Dam burst in June 1976. We were informed by the coach driver that eleven lives had been lost and about 6,000 cattle had been unaccounted for. We saw many houses in a state of complete ruin, many new houses being built, farm machinery that had been twisted out of shape and a warped railway line which had been lifted off its track.

We arrived in West Yellowstone at 6.00 p.m. after covering a distance of 330 miles from Salt Lake City. Yellowstone National Park is an area of 3,472 square miles, the oldest, largest and most popular of the national parks. As well as being one of the world's most impressive thermal areas with about 200 geysers and some 10,000 bubbling paint-pots and mud pools, it is also one of the best wildlife sanctuaries in the world and being the home of deer, moose, bison, bald eagles, brown and grizzly bears. Brown bears are dangerous, about 100 people are injured each year!

We managed to book a budget cabin near Old Faithful Geyser from the depot in Yellowstone and from there, we caught the local bus which took us to Old Faithful Lodge. The cabins situated a hundred or so yards from the lodge were very basic, ours had just the 2 beds, hot and cold water and a heater, the showers and toilets were nearby. We then unpacked our bags and returned to the Lodge where we had a beautiful steak dinner. We found that steak dinners are quite

Queens' Jubilee day we decided to have our own little celebration. We returned to our cabin and after much needed showers, changed and dressed up in the best clothes that we had with us, and went back to the village where we treated ourselves to a slap-up meal with wine.

Next morning, after packing our bags, we decided to take a few photos of ourselves outside our log cabin before boarding the shuttle bus which was to take us to Bright Angel Lodge. Unfortunately we lingered too long, missed the first shuttle service and so therefore missed our connection from the Canyon to the nearest Greyhound Depot. We had to wait for another 3 hours before the next bus left for Flagstaff. While we were waiting a friendly couple struck up a conversation with us, they were in charge of a group of students and had just spent almost 3 weeks in an Indian reservation and had stopped off to see the Canyon on their way home. We asked them about some strange looking people and they explained to us that they were known as "The Amish People", who live mostly in Pennsylvania and Northern Indiana very much like the old Puritans in appearance. The men wear dark outfits with waist coats, wide brimmed flat hats and most of them have short beards. The women wear long, dark coloured dresses, stockings, bonnets of a matching colour and lace up shoes. We were told that they will not use zips or anything similar, therefore most of their clothes are held together with pins. Many of these people, sticking to their religion will not use any type of electrical or mechanical appliance.

We arrived in Flagstaff at 4.00 p.m. another colossal thunderstorm breaking over our heads, even the thunderstorms are more violent in America. We felt sure that the same thunderstorm was following us

around. We had to wait another four and a half hours before leaving for Las Vegas which is 263 miles from Flagstaff. On the way there we passed the illuminated Hoover Dam and Lake Mead. Hoover Dam is one of the great engineering feats of the world and certainly is a spectacle worth seeing. Built in the 1930's, the dam has cured the Colorado of its floods in spring and droughts in Autumn. The 726 foot high dam now holds back up to two years of water supply in Lake Mead, allowing a regulated flow to pass through its generators down into the farmlands of California, the South West and Mexico.

On arrival in Las Vegas at 3.00 a.m. we only had 15 minutes to change coaches for our next destination, Salt Lake City. Las Vegas was a brilliant sight with its casinos, hotels and nightclubs all splendidly lit up. We were told that in many of the casinos the windows are painted black so gamblers thinking it is still night time when in fact it is daylight, carry on playing for hours on end and many end up penniless. Many of the croupiers are in fact gamblers who are working for nothing to pay off their debts to their respective employers.

The coach left at 3.15 a.m. and a few hours later we stopped for breakfast at St. George in Utah. We sat down at the first available table where a young man was already seated. To outward appearances he seemed quite normal, that was until he started stuffing practically every packet of breakfast biscuits he could lay his hands on into his pockets and he took them not only from our table but from all the other tables in the restaurant. He was literally bursting at the seams with biscuits and then before the waitress could take his order he dashed out on to his coach. We felt quite sure from the glares the waitress kept giving us that she

thought we'd eaten the lot ourselves.

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We arrived in West Yellowstone at 6.00 p.m. after covering a distance of 330 miles from Salt Lake City. Yellowstone National Park is an area of 3,472 square miles, the oldest, largest and most popular of the national parks. As well as being one of the world's most impressive thermal areas with about 200 geysers and some 10,000 bubbling paint-pots and mud pools, it is also one of the best wildlife sanctuaries in the world and being the home of deer, moose, bison, bald eagles, brown and grizzly bears. Brown bears are dangerous, about 100 people are injured each year!

We managed to book a budget cabin near Old Faithful Geyser from the depot in Yellowstone and from there, we caught the local bus which took us to Old Faithful Lodge. The cabins situated a hundred or so yards from the lodge were very basic, ours had just the 2 beds, hot and cold water and a heater, the showers and toilets were nearby. We then unpacked our bags and returned to the Lodge where we had a beautiful steak dinner. We found that steak dinners are quite

a steam explosion in the geyser's underground "plumbing system" that pushes water up the relatively narrow underground neck with such force that it is thrown into the air. There are two types of geysers in Yellowstone; cone geysers and fountain geysers. The observable difference in the manner in which the geyserite (the grey rock-like deposit around the geyser) has formed. In a cone geyser, the geyserite has been deposited near the mouth or orifice and has built higher and higher into a cone. In effect, it has raised the mouth of the geyser above the surface of the ground and the water column rises out of this relatively dry hole in a steadily climbing and then falling sequence. In a fountain geyser, however, the geyserite has formed a basin that holds the first overflow water in a pond and the water column rises out of it in successive bursts, like a fountain.

The Norris Geyser Basin is Yellowstone's most compacted, with literally hundreds of geysers, pools, hot springs and other features, any of which can be viewed on a walk of less than 2 miles. It is divided into two areas, Porcelain Basin to the north and Back Basin to the South. Porcelain Basin gets its name from the grey-white geyserite (resembling porcelain) that covers most of the large cup in which the thermal features are located. Another of the favourite geysers in this basin is Constant Geyser because it erupts several times an hour to a height of 30 - 40 feet, although with a very short eruption. Nearby Fireball Geyser also erupts several times an hour, but shoots less than 10 feet. The entire basin is in almost continuous activity and change, with spouting geysers, steam shots and roaring vents. Steamboat Geyser although unpredictable, is the most powerful in Yellowstone, shooting its water 300 - 350 feet into the sky.

We "smelt" our next stop before we actually arrived there at the "Mud Volcano Area". A terrible smell of "rotten eggs" prevailed our nostrils, this was the smell of hydrogen sulphide, one of the gases which arises from the hot springs in that area. All the springs here have no excess water, and their discharge is a thick mud.

A little further are the Firehole Cascades, a stretch of white, foaming water with banks of grass and wild flowers against a backdrop of dark evergreen forest and black lava rock. Most of the trees are lodgepole pine which grow so straight the Indians used them to construct their lodges and teepees. They are the most common tree in the Park. They are also a "pioneer" tree in that they are among the first to repopulate after a forest fire.

Our last stop was Fountain Paint Pots, these mud springs are caused by the action of fumaroles which lead to a basin below the water table. The bubbling and churning effect is caused by steam rising through ground water (usually acidic) which has dissolved local rocks into clays. Various minerals result in the different colours.

After our tour which we all found extremely interesting we had our evening meal in the General Store's adjoining coffee shop before returning to the Old Faithful Inn. It was lovely and warm when we entered our room but it didn't stay like that, it became hotter and hotter and hotter! Eventually we had to call the maintenance man who dealt with the faulty radiators as we couldn't stand the heat any longer. We were practically roasting alive yet the previous night we were exactly the opposite.

The next morning after breakfast we packed our bags and booked our

Next morning, as we were only in Calgary for a short stay, we decided to visit Heritage Park, a reconstructed frontier village which was once the Northwest Mounties Outpost, this and other aspects of the town's past are dealt with in the park. The park includes a Hudson Bay Company trading post, an Indian Village, trappers cabin, and 1896 Church and graveyard, a ranch school and a blacksmiths. We spent an interesting morning before returning to the hotel for our bags.

We left Calgary at 2.00 p.m. for Edmonton and arrived there at 5.30 p.m. Our hotel room for the night had been booked previously and was the same hotel that we'd stayed in on our first night in Canada. We hoped to have a meal in the revolving restaurant at the top of the hotel, but we thought it far too expensive and went to the Chevalier Grill, another restaurant in the hotel, where we had our evening meal. Even though it was cheaper than the revolving restaurant this still turned out to be the most expensive meal of our holiday!

The next day being the last day of our holiday, was spent looking around Edmonton and purchasing last

minute souvenirs. We were all very reluctant to board the coach which was to take us to the airport. on arrival at the airport, we had almost a 3 hour wait before our plane, a '707' left for England. On board the aircraft we were once again served with sweets and drinks before our evening meal, wine and liqueurs and later on we had a continental breakfast. Although we left Edmonton at 5.30 p.m. and didn't arrive in England until 8.30 a.m. it remained daylight throughout our journey due to the fact that we were following the sun. As it was so light, not one of us slept and we were all feeling very tired when we reached a noticeably chilly England, even though it was June.

We had to wait until 12.30 p.m. for our flight to Guernsey and we were told that due to fog only one plane had been able to land. Once over the Island, our plane, a small 'Dart Herald', spent 20 minutes circling overhead before finally landing.

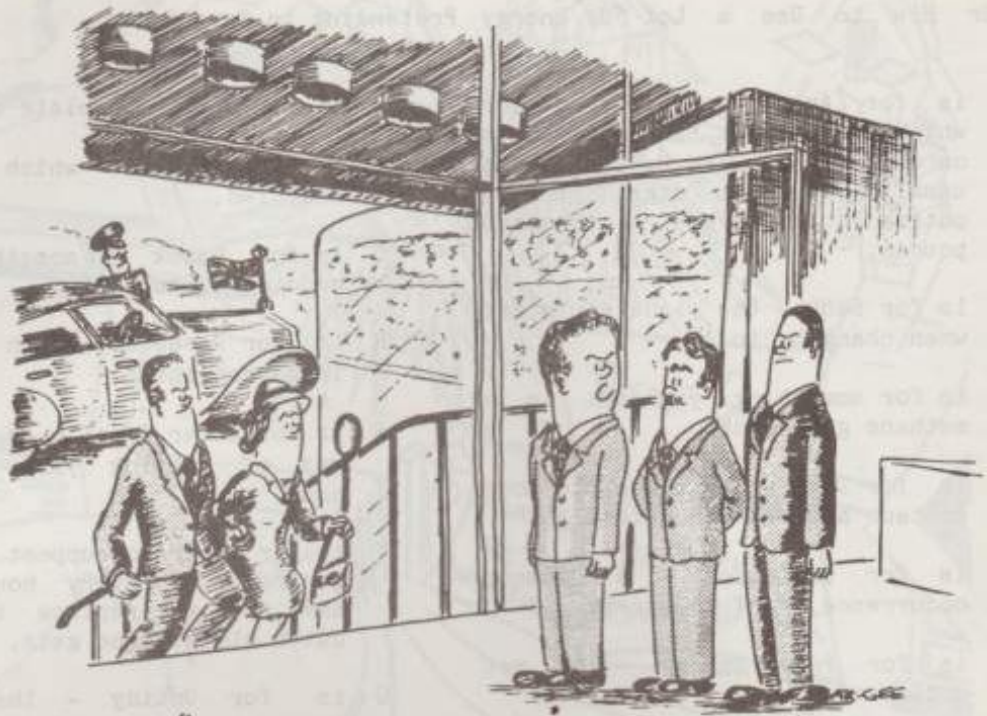
Well folks, we hope that you have all enjoyed reading about our holiday and if any of you are thinking of going yourselves, we'd be only too delighted to answer any queries you may want to ask us.



Jean Anne

The Governor's visit has not been reported upon in this issue, but our illustrator was on hand.....





"I DONT CARE IF HE WAS AN ADMIRAL — 'GLAD TO HAVE YOU ABOARD, SKIPPER' IS DEFINITELY OUT."



"WELL - ER - AH - NO, NOT A PROFIT SHARE BUT THEY TELL ME I'M IN DIRECT LINE OF SUCCESSION"

THE BEGINNERS A - Z OF ALTERNATIVE TECHNOLOGY

(Or How to Use a Lot of Energy Pretending to Save Some)

- A is for Avogenerator, a device which will light two small bulbs on a windy day (N.B. the wind usually dies at night) for an outlay of several thousand pounds.
- B is for Bank - the place you start when changing to AT.
- C is for something you put in a methane generator.
- D is for Dump - the place the poor amateur acquires his materials.
- E is for Explosion - a common occurrence in AT equipment.
- F is for Free Energy - as yet undiscovered.
- G is for Greedy - most AT enthusiasts cars' attitude to petrol.
- H is for Hydrogren, to fuel the family car, or just float it away if you put too much in.
- I is for Internal Combustion which will only occur in methane generators.
- J is for Joule or how to devalue the calorie.
- K is for Kite - the AT enthusiasts only acceptable flying machine.
- L is for Lighthouse - many already powered by AT systems.
- M is for Methane, the fuel for cooking and running generators, made from biological rubbish in a special.
- N is for Nature - an unpredictable energy.
- O is for Oil or Obsolete or both!
- P is for Plastic which must be recycled.
- Q is for Quack - something that nodding ducks don't.
- R is for Research, often conducted in garden sheds.
- S is for Solar Panel - an expensive way of keeping your hot water cool.
- T is for Tower to support the wind generator - every house should have one to replace the trees dutch elm disease gets.
- U is for Untidy - the general appearance of an AT enthusiasts garden.
- V is for Violent - the behaviour of AT enthusiasts when their electric is cut off.
- W is for Wind which blows over windmills.
- X Alt. Tech. writing.
- Y is for Yacht which doesn't use fuel - only a few tons of oil to make the fibreglass.
- Z is for Zephyr - a gentle breeze that just won't quite turn the wind generator.

ME POEM

I've tried to write some poetry,
Till words come out my ears.
I wish it would come as easily,
As crocodiles to tears.

That line is written back to front,
I'm sure you will agree.
But that is why my poetry,
Is rubbish as you see.

A DAY IN THE LIFE OF A TEK FIELD ENGINEER



SPORTS NEWS

Angela Knight followed her Guernsey Archery Club's Ladies Championship win with a resounding success recently in Jersey. In only her fourth year of competitive archery Angela (a 7000 group inspector) became the Channel Islands Ladies Champion.

A new American bow had been purchased specifically for the competition and Angela had selected arrows that perfectly matched her style. For the technically minded her bow is a Hoyt Takedown; comprising a riser and two limbs which screw together.

The pull needed to fire her 26 inch long arrows is 38lb so you can see that firing a competition round of five or six dozen arrows can be quite strenuous!

There are several entertaining archery competitions and one of the most popular is Archery Darts. However, instead of competing against another team of archers, Angela's club (the Bowmen of Guernsey) decided to issue a challenge to the Tek Ladies Darts Team.

The rules were normal darts rules but with the archers firing at an enlarged darts board from a distance of 15 yards.

Each game was the best of two out of three with a straight start and double finish. The Bowmen of Guernsey won by 5 games to 2, a fair result for the dart players because the conditions were very different from the normal pub atmosphere.

The scores were as follows:-

Archers	Tek Ladies
Tony Le Page 2	Mary Williams 1
John Phillips 1	Berthyl Power 2
Dave Adams 2	Teresa Batiste 0
Richard Vile 2	Nelly Staples 0
Wendy Hockey 1	Betty Guilbert 2
John Palmeric 2	Jackie Smith 0
Colin Tapp 2	Aline Turner 0

The Tek Ladies suggested a return match at the Hangman's Inn but the Landlord wasn't too keen! A return was played, however, at the Elizabeth College Indoor Rifle Range and the Bowmen beat the dart players by 12 games to 2.



A DAY IN THE LIFE OF A TEK FIELD ENGINEER

CUSTOMER REACTION NEW PRODUCT - TM500

Turned on TM503, it caught fire. Much smoke, lights went out. Customer mad as hell about water damage, will either sue us or fire dept.

Fortunately had spare TM503 which worked, DC503 pretty near did, too. Smart alek assistant started to question five decimal points in display. Was able to stab him with P6011 before he ruined demo. Opened up DM501 to show workmanship. Very impressive. Shame it didn't work. Maybe no one noticed. Captured end of Customers' tie while reassembling. He was very understanding. Plant nurse says voice will return in a few days, scar damage may take longer. Much interest in FG501. All five waveforms perfect at 50 Hz regardless of dial setting. Talked fast, sold it as S.E.B. mod. Little interest in AM502; produced very nasty shock. Customer fainted, rest afraid. Unable to sell pain as benefit.

All were fascinated with MR501. Couldn't believe it would really work. It didn't. Opened it up to show workmanship. Closed up MR501. Pushed it vigorously into mainframe with left hand. Steadied TM503 with right hand. Edge of MR501 front panel guillotined one half inch from right thumb. Bad technique. Much bleeding. Customer fainted again. I cried. Ruined my Earl Wantland tie clasp. All rusty.

PS503 showed well. Demoed current limiting by shorting output. Used bronzed baby shoe from customers desk as shorting bar. All agreed current limiting very fast. Welded baby shoe to output terminals. Kept smiling. Sold customer on novel desk ornament ... got order for six. Will notify modified products. Could be profitable item.

Customer inquired whether TM500 plug-in compatible with his 5111. Told him no. Demonstrated. Perfect fit. Much smoke. 5111 protected line fuse by destroying itself. Xerox sales course didn't cover name calling. Had to wing it. First time ever removed forcibly from premises. Customer bad sport but a good shot. TM500 left nasty gash. More bleeding. Ran to car. Car stolen. Had to catch cab. Unable to ascertain customer's impression of TM500. Very tough customer.



A SPORT FOR ALL

When the Beau Sejour Leisure Centre opened in December 1976, it provided a new concept in Guernsey to the ancient game of Bowls. The Indoor Green was built to standard requirements, and provides 4 rinks, each of 15 feet wide and 120 feet long. The specification for the playing surface was a level concrete slab with a tolerance of plus or minus one quarter of an inch. This specification was achieved, and although the carpet which is laid out over the slab requires some attention to ensure that it lays completely flat, the trueness of the playing surface is equal to some of the finest indoor greens in the United Kingdom.

The advent of the Indoor Bowls Hall has enabled the game of Bowls to be played throughout the year. It is the one sport which caters for all ages. Indeed it can truly be called a family sport, and some of the entries are family teams. Last season a family team were runners-up in the Open Triples League for the Tektronix Trophy.

There are different types of competitions which cater for all competitors. There are the Open Leagues and Knock Out Competitions for the serious bowlers; on the other hand there is the Monday Night Friendly League where the Teams are drawn by the Committee, this is to ensure that the teams are mixed and as well balanced as possible to give everyone a fair chance of winning. The accent in this competition is a Social game, but newcomers to the sport also have the opportunity to play with experienced bowlers thus enabling them to raise the level of their game.

The serious side of the Open League and Knock Out Competitions should not deter newcomers to the sport. In the Open League there are three Divisions, and new teams commence in the lower Division where they are amongst other teams who have just taken up the sport. The teams are

mixed as all players compete on equal terms, thus it is an ideal opportunity for husbands and wives to share a common sporting interest.

Bowls Drives are held on alternate Sunday afternoons, when all who are interested are welcome to join in. This is another social occasion, and it is quite common for an interested onlooker to join in at the last minute, only to find out that he has become addicted to the game. At a recent Bowls Drive a young boy who was only 10 years old joined in and played a very useful game. At the other end of the life span there are several octogenarians who play regularly. Weekday afternoon competitions are held for retired people and any others who have free afternoons. Thus it can be seen that all ages are catered for.

If you are looking for a recreational interest why not take up the game now? Tek have thirteen regular players. They field two Triples, and one Fours Team in the Open Leagues and they are always looking for additional players. If the demand is there, extra teams can be entered. So why not give Bowls a try?

Ed - For further information contact Henry Le Tissier - Accounting who contributed this article.



"WHAT WITH WAGES RESTRAINT, SPIRALING INFLATION, AND A RE-ADJUSTED PROFIT SHARE THE SIZE OF OUR STOCKINGS IS LIKELY TO HIT AN ALL-TIME LOW."

BRIDGE PLAYERS OVER
TROUBLED WATERS

CAPTION COMPETITION



WHO PULLED THE PLUG AT THE PICNIC?

CAPTION COMPETITION

"Come in Sir - Welcome to Weight-watchers, we guarantee you'll lose weight in ten minutes."

"Come in Sir and we'll give you a 'Run-down' of what we can do for you."

"Roll out the barrel"

"Cor blimey, jobs is so scarce, I'm glad I got the job at this Instant-Whip factory."

"I've got the free run of the factory, they told me."

"I hope this isn't just another run-of-the-mill type of job."

"I've come for ma boy!"

"Okay, I'll do anyfing to get away from the missus."

"Is this what they call job orientation?"

"Its not all roses in Tek Ltd."

"Think before you change jobs."

"Welcome to Amsterdam!"

"Welcome to Amsterdam...or Brussels...or London!"

"Its the only way to keep warm in Ltd."

"If the company had Built walls and a roof we could keep warm in the normal way!"

"I know oil is expensive but this is a ridiculous way of generating electricity."

"Yippee! my turn to use the whip today!"

"And he thought they said he'd be a big wheel."

"Relax lads! Frank has gone!"

"Must be a marketing office; they're all running around and getting nowhere!"

"Great news lads! I've sold a T935 at last!"

"Yes sir, you could say we have a fast turn around!"

"All I said was, Lets have a whip around for Fred's retirement!"

"You can make a silk purse out of a sow's ear!"



WHO PULLED THE PLUG AT THE PICNIC?

BRIDGE PLAYERS OVER TROUBLED WATERS

For the past year a group of Bridge players have been meeting on the first Monday in each month to play Duplicate Bridge.

Despite the loss of venue at Whitewoods Hotel, the group have continued and currently meet at the Dolphin Hotel, which seems to provide adequate facilities for the keen card player.



For the benefit of the uninitiated the trumps in Bridge are determined by the pair offering to take the most tricks above six. The cards are played with values as in Whist. An interesting feature is that of the pair who make the successful bid, only one plays both hands.



In Duplicate Bridge the same deal of cards is played by several pairs, thus providing a fair yardstick of comparison.

If that is vaguely clear, try your skill with this deal which occurred at a recent session.

		N	
		-	
		Spades:-	K,9,8,4,3
		Hearts:-	2
		Diamonds:-	A,K,Q,10,5,3
		Clubs:-	Q
W(Dealer)			E
-----			-
Spades:-	A,6	Spades:-	Q,J,5
Hearts:-	A,K,10,4	Hearts:-	J,9,8,7,6,3
Diamonds:-	J,9,8,7,2	Diamonds:-	4
Clubs:-	10,2	Clubs:-	K,J,6
		S	
		-	
		Spades:-	10,7,2
		Hearts:-	Q,5
		Diamonds:-	6
		Clubs:-	A,9,8,7,5,4,3

PUZZLE ANSWERS

This hand was played three times with very different results. Top score for North/South was a bid of 3 Spades, which was made with 1 overtrick. Three Clubs by North/South was just successful; but the best result for East/West was 4 Hearts. They failed by two tricks, but the sacrifice gave North/South fewest points.

Christmas Quiz for beginners:

What would you have bid?

1. a. POST b. BOARD c. HER d. SOME e. HEAD f. LAND g. BAND h. WRECK

2. SOCCER MIXUP

1 AND 3 - CHELSEA AND WILKINS
2 AND 5 - WEST HAM AND HALES
3 AND 1 - ASTON VILLA AND LITTLE
4 AND 2 - LIVERPOOL AND HUGHES
5 AND 4 - MAN UTD AND MACARI

3. NUMBER SEQUENCES

a 15
b 9
c 23 (alternate prime numbers)
d 64 (cubes)
e XIII

4. PAIRS

a GARFUNKEL
b WATSON
c SWANN
d BROWN
e ROEBUCK
f MASON

5. The stars were:-

1. PETER FALK 2. RICHARD CHAMBERLAIN 3. JAY SILVERHEELS 4. MICKY DOLENZ 5. KENNETH MORE 6. JOHN THAW 7. DORIS SPEED 8. DALE ROBERTSON 9. ANGIE DICKINSON 10. TY HARDIN 11. RONALD ALLEN 12. WOULD YOU BELIEVE - ANGELA RIPPON!

6. Only 25 yards! After that he is starting to come out again!

Christmas Quiz for Experts:

How could East/West reach 4 Hearts without telepathy?

We are fortunate in having as organiser of these Bridge evenings Colin Tostevin, who often seems to be the only person who knows what's going on (perhaps because he is the only one who knows what's going on!).

All Tektronix employees and friends are welcome, be they experts or beginners. For more information contact Colin Tostevin (400 Test).

GARF ~

space oddity

