

Cleverley

contact

THE STATE ELECTRICITY COMMISSION LATROBE VALLEY DEPARTMENT MAGAZINE

DECEMBER 1971, JANUARY 1972



Snowfall in Yallourn? No, this photograph of Mt. Erica and the Baw Baw plateau with the Yallourn Storage Dam in the mid-foreground was taken by Cliff Cleverley on Kodak Infra Red film with a 25A (Red) Filter. Exposure was a half-second at f16.

A Happy, Safe Christmas to you all

The year 1971 has seen a substantial improvement in the safety record of the Latrobe Valley Department.

The disabling injury progressive frequency rate has fallen from 19.4 at the beginning of the year and

reached an all-time low of 17.6 at the end of October.

Gratifying though this achievement is, it does not justify an attitude of complacency. We still have a long way to go before our disabling injury

frequency rate approaches the standards set by various sections of Australian industry.

Some of the credit for the improvement in preventing disabling injuries is due, I feel, to the concept of total

injury investigation which has been well accepted throughout the Department.

The Manager's Award for outstanding improvement in safety performance this year went to Morwell Briquetting Works who put in a fine team effort.

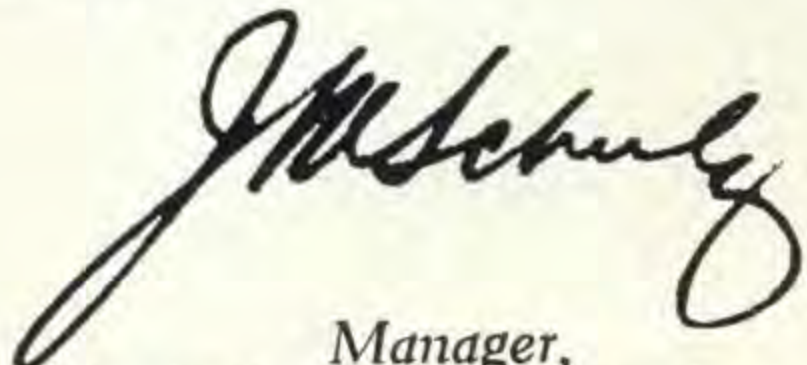
November saw the introduction of the new safety award scheme which combines recognition of individual as well as group safety performance.

The course on Planned Body Movements is now being taught to the majority of Valley personnel by our team of trainers. Congratulations are due to them and to the Departmental Safety Engineer, Col Harvey, on a fine job being carried out with enthusiasm.

Safety awareness is not, however, confined to one's place of work. It applies equally to the home and leisure time.

One of the unfortunate traditions that has grown around the Christmas holiday period is the tragic toll of life taken by accidents — most of them avoidable.

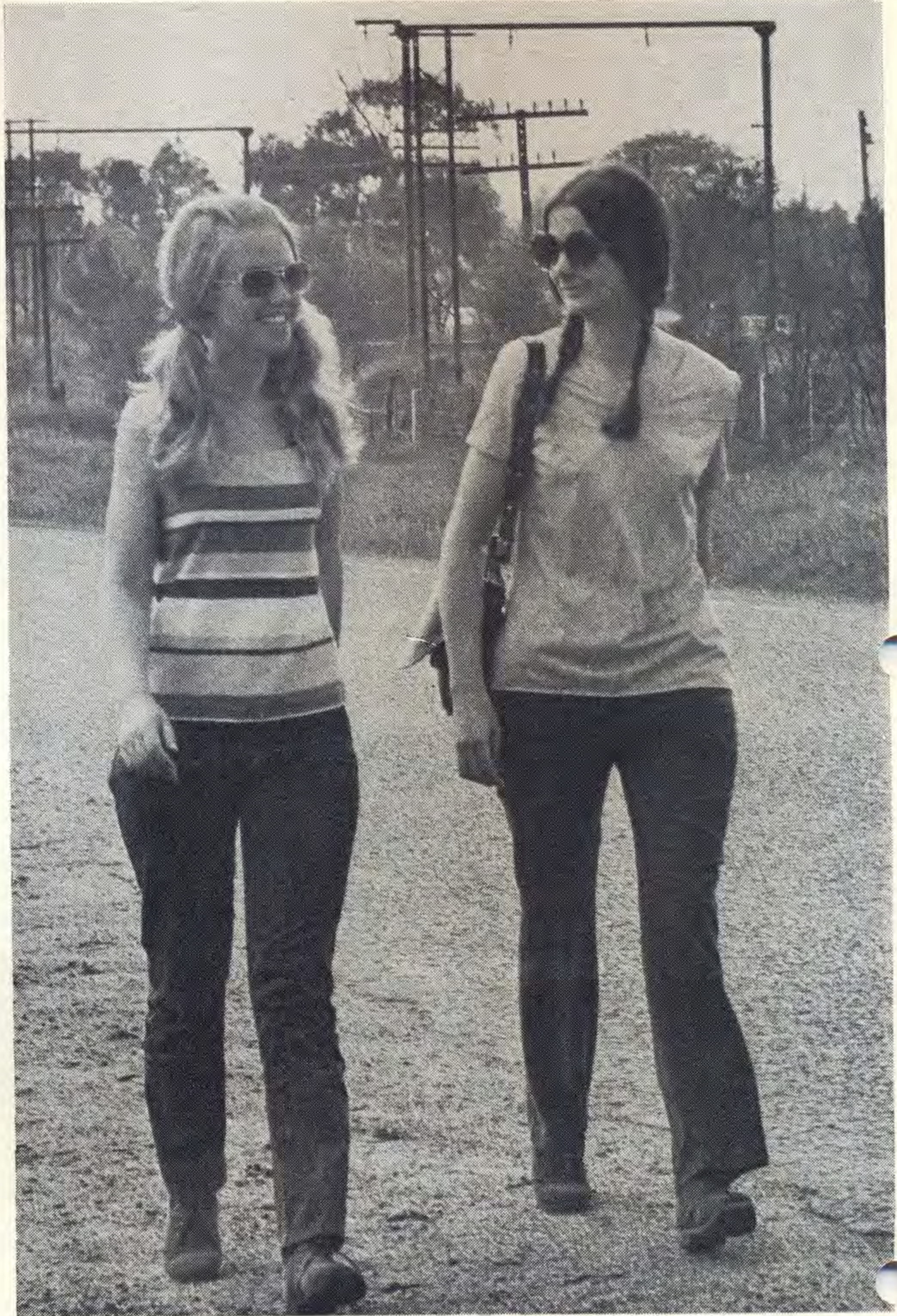
This then is my wish for you all — a Happy, SAFE Christmas and an accident-free New Year.


Manager,
Latrobe Valley Department

Power Station Capacity to Double in Ten Years

The latest issue of the S.E.C.'s Power Department Newsletter contains the information that present thermal power station capacity will double by June, 1981.

Long-term estimates of capital expenditure for the next ten years were completed in September. Together with the Civil and Architectural Department, Power Department are likely to spend about \$369 million on building thermal power stations in the years 1971-72 to 1980-81 inclusive.



WALKATHON RAISES \$400

A walkathon on Saturday, November 6, raised more than \$400 for Coinda Hill Mentally Retarded Children's Centre at Traralgon.

Organised by Moe United Youth Club, the walkathon involved a journey from St. Kieran's, Moe, to Trafalgar and return.

Many people in the Commission sponsored various entrants who in-

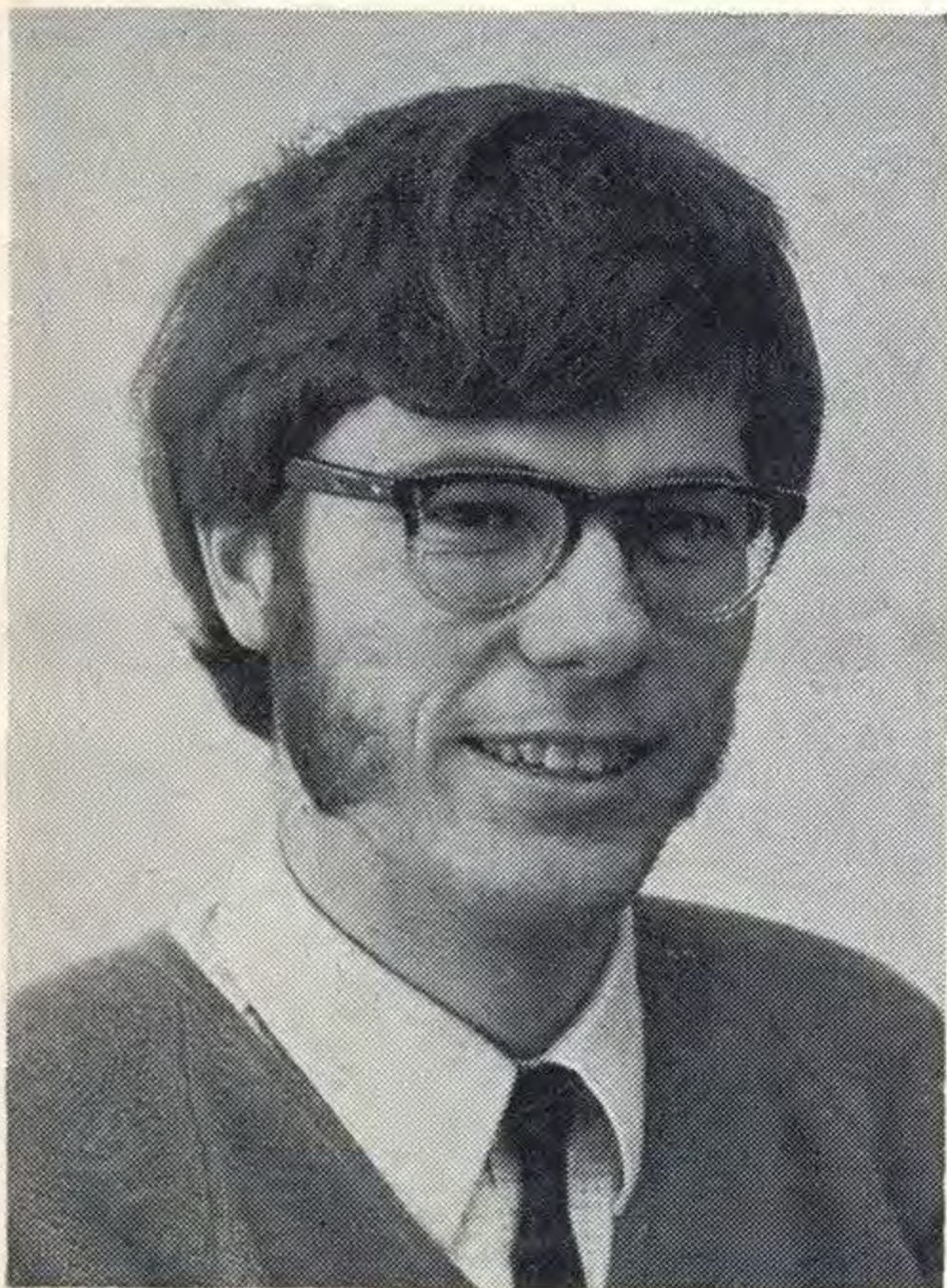
cluded Tilly Verberne and Leah Rosa of Admin., Morwell, shown in our photograph as they set out on their ten-mile trek.

Other Commission participants in the walkathon were Kaye Saultry, Yallourn 'W'; Sue Barker and Peter Verberne, Personnel, Yallourn; Barbara Scharper, Admin., Morwell; Phillip Maxwell, H.P.S.; and Ted Opalinski of Yallourn Workshops.

Digital Readout Transducer Installed at Yallourn

A piece of equipment which is expected to save more than \$1,800 machining costs every year has been installed recently at Yallourn Central Workshops.

This equipment is a Digital Readout system and is fitted to one of the Workshop lathes. The system consists basically of two transducers and a readout display unit and is used to reduce the time spent in measuring the work piece.



David Krohn, Mechanical Engineer at Yallourn Central Workshop, who wrote this article.

The transducers are measuring instruments which convert the movement of the lathe cutting tool into electrical signals. One transducer measures the diameter which the tool is cutting, the other measures the distance the tool has travelled along the work.

The electrical signals are evaluated within the readout display unit and direct displays of the diameter and length are shown by neon numerals. The measurement display may be shown in either inches or millimetres, whichever is required.

The usefulness of the system is due to the reduction of time spent in measuring the work piece and the accuracy of the measurement. Only one measurement of the work diameter need be taken using normal measur-

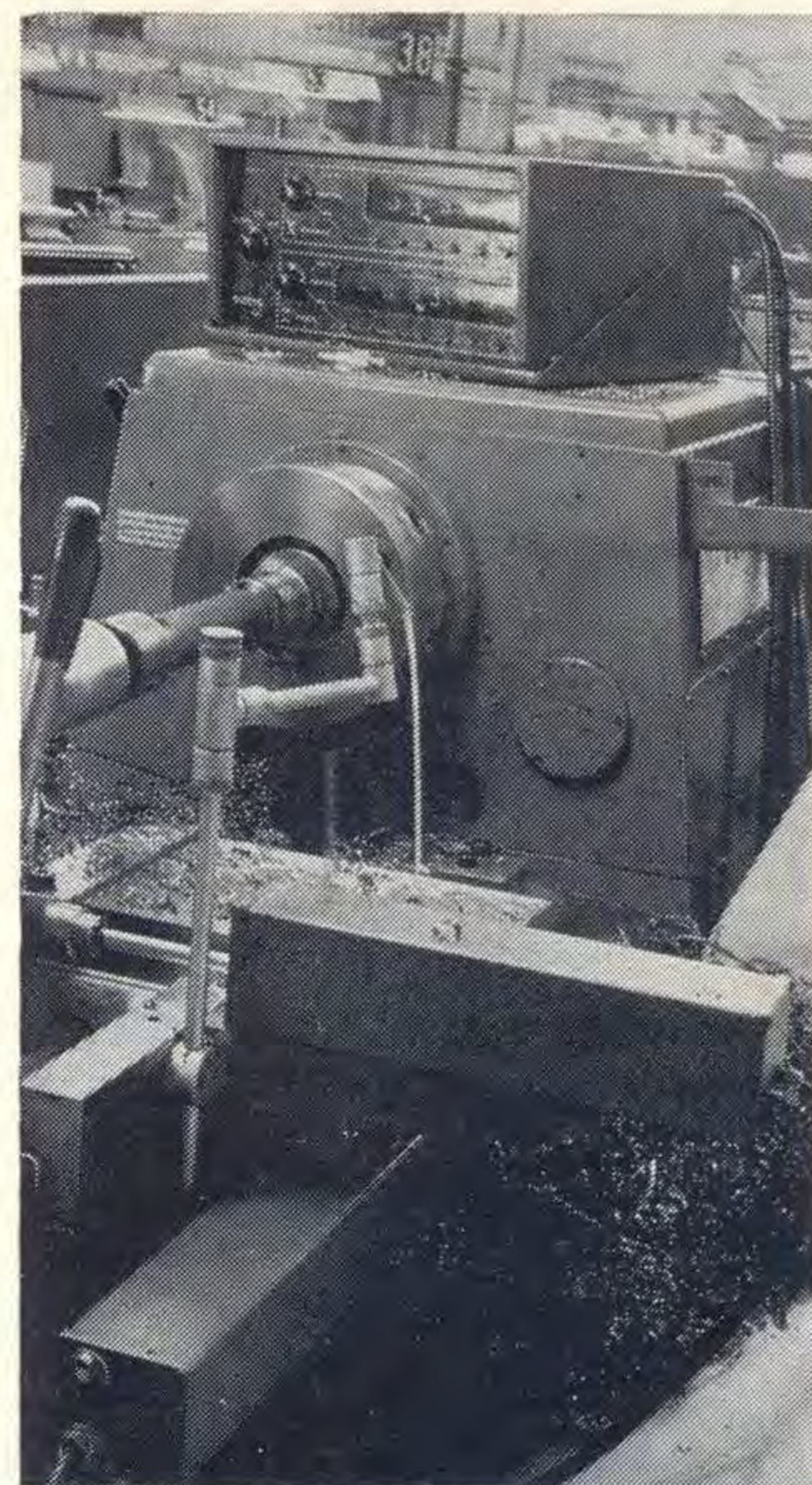
ing equipment such as a micrometer. This is done to calibrate the Digital Readout system. No further manual measurements are required because the display unit will then give a continuous indication of the work size being machined, even while machining is taking place.

One job which normally took $1\frac{3}{4}$ hours to complete was machined on the lathe fitted with the Digital Readout system in 1 hour, a 43% time reduction.

The time saved using the system will be even greater on more complex jobs, particularly when pre-set tools are used. These tools are accurately pre-positioned in the tool holder; thus changing tools is very quick and easy. Time reductions of up to 60% have been achieved using these Digital Readout systems.

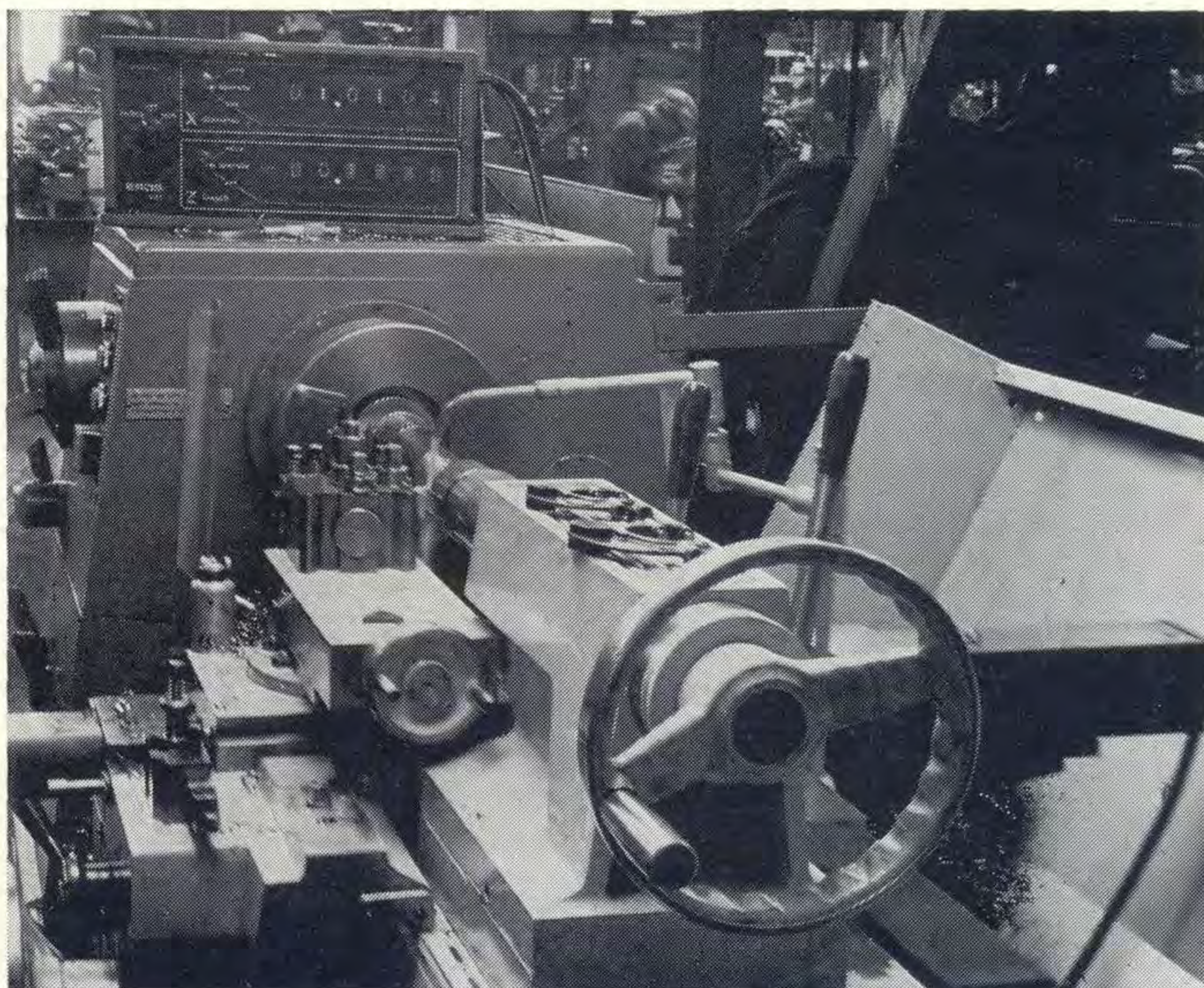
The accuracy of the system is such that sizes may be measured, while the work is stationary or being machined, to a tolerance of 0.0002". This is about 20 times smaller than a human hair.

As the need for faster, more economical machines becomes greater,



The two transducers are mounted on the back of the lathe. Electrical signals from the transducers are transmitted through the cables to the readout display.

further lathes may be fitted with Digital Readout systems. The Workshop will be keeping up with the latest trends for improving output and reaping the benefits of these trends.



The readout display unit is mounted on the lathe for easy viewing by the machinist.

Deaf Children Say Thanks

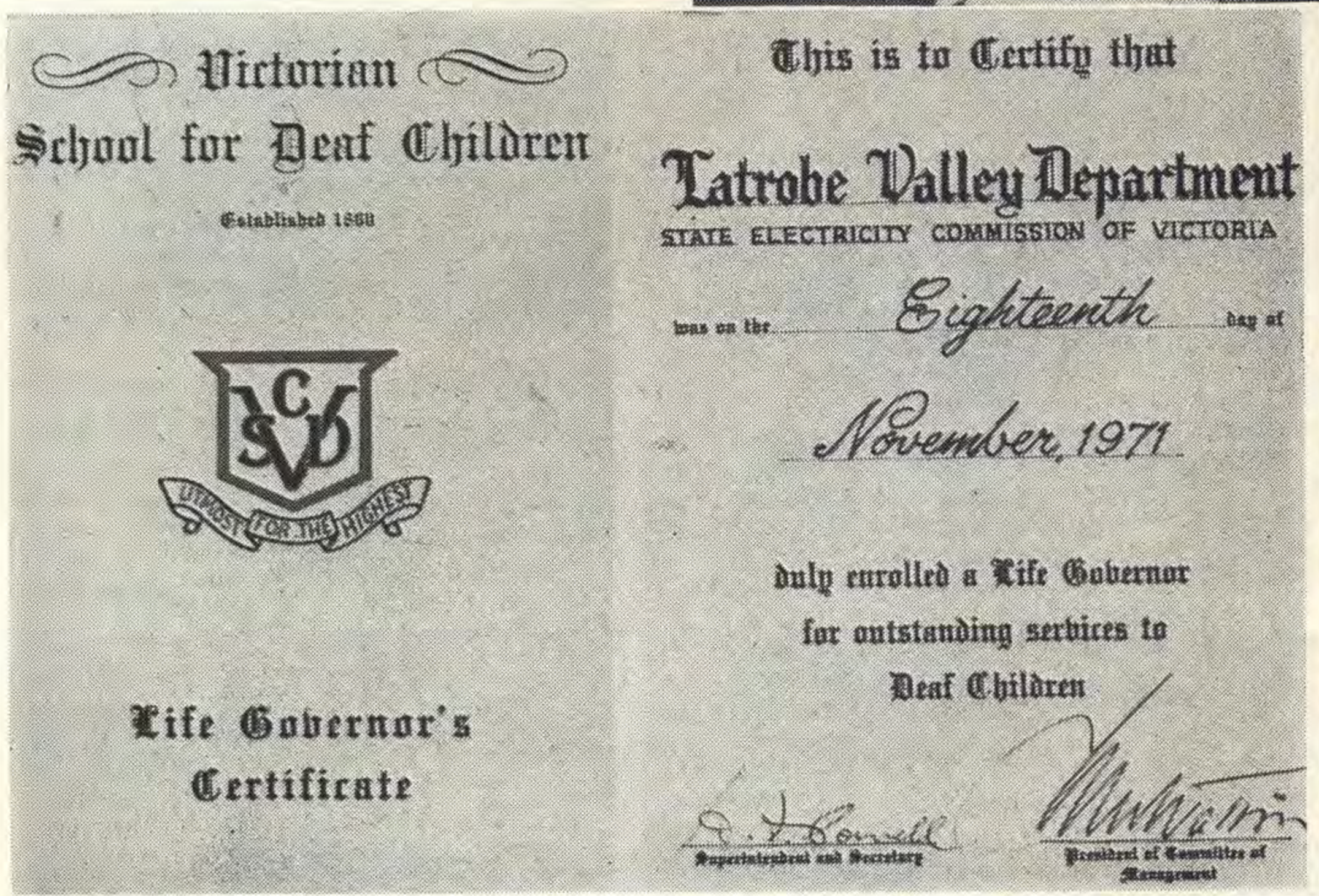
Last month's Contact carried a story on the fund-raising activities of Latrobe Valley Department personnel on behalf of the Victorian School for Deaf Children.

On Thursday, Nov. 18, these activities were recognised by the award of a Life Governorship to the Department.

Our photograph shows Mr. Harry Powell, Superintendent and Secretary of the Victorian School for Deaf Children, with Mrs. Jorgenson, President of the Central Gippsland Auxiliary,

presenting the Life Governor's Certificate to Mr. Bill Schulz, Manager, Latrobe Valley Department, Arch

Porter and Ham Ballagh of Administration, Morwell, who accepted it as representatives of Valley personnel.



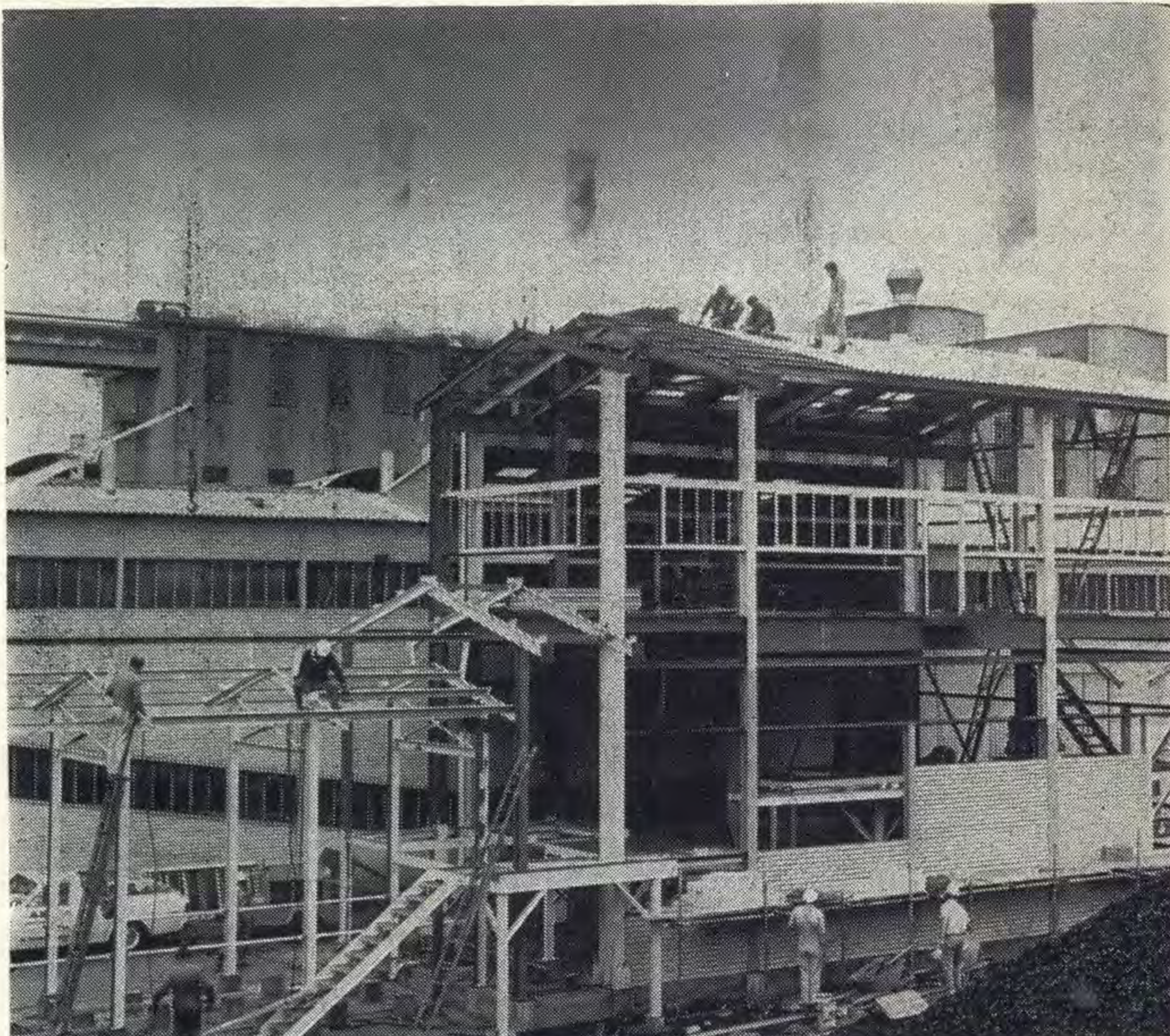
Packaged Briquettes from Morwell Soon

Construction of the new packaging installation at Morwell factory is well under way.

This photograph shows progress being made on the main building. On the upper level it will house two machines for wrapping briquettes from D factory in plastic film packs, and the ground level area will accommodate plant for the automatic stacking of the packs on pallets as well as conveyor and weighing equipment.

With a capacity of 44,000 tons a year the plant is scheduled to be commissioned in January, 1972.

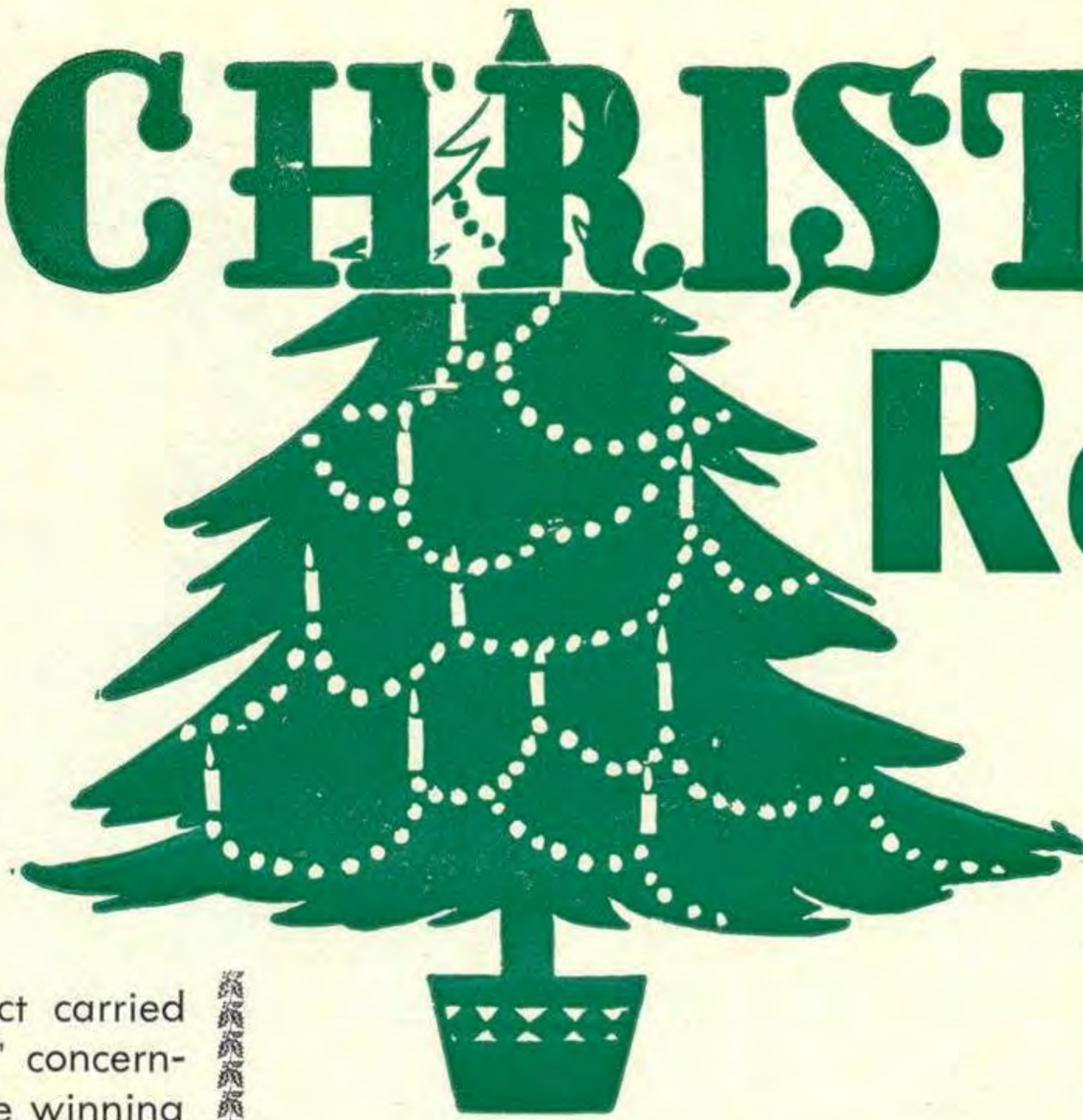
The wrapping machines were built in Germany and arrived here early in December. Five tons of briquettes were sent to Stuttgart for shop testing the machines. All other plant for the project, including a special crane for loading pallets into rail trucks, is from local sources and because of its unusual nature and high capacity the installation is attracting wide interest in the packaging industry.



**Win an
Electric Jug
or Toaster**

**Enter Contact's
Safety
Competition**

CHRISTMAS Recipes



ROAST DUCK

An average sized duck weighs between 4 and 6 pounds. When the duck is cleaned, wash it in warm water and dry with a cloth. Cut off the feet and wings and season the bird inside and out with salt. Stuff the body with sage and onion seasoning and truss it. Place duck on grid in baking dish with 1-2 tablespoonfuls dripping and cover with well greased paper. Roast in oven at 400°. Allow 20 minutes to each pound and 20 minutes over.

About 30 minutes before the duck is to be served, dredge the breast with flour and leave uncovered to brown. When ready, lift on to a hot dish while making the gravy. Serve with brown gravy, apple sauce, roast potatoes, green vegetables and an orange salad.

SAGE AND ONION STUFFING:

4 cups fresh breadcrumbs salt
2 medium sized white onions pepper
2 teaspoons finely chopped sage milk
1 tablespoon butter

Peel the onions. Place in a saucepan with water and bring to the boil. Pour this water away, cover with fresh water and boil until tender. Drain and chop finely. Combine with the breadcrumbs, salt, pepper and sage. Add the butter in small lumps. Mix all together thoroughly — adding milk to moisten if required.

Continental Christmas Cake

INGREDIENTS:

1½ cups brazil nuts
1½ cups walnut halves
½ lb. dates
2/3 cup mixed peel
1 cup green and red glazed cherries
½ cup raisins
¾ cup plain flour
½ teaspoon baking powder
pinch salt
¾ cup caster sugar
3 eggs
1 teaspoon vanilla

Leave fruit and nuts whole. Combine these and add the sifted dry ingredients. Beat eggs and vanilla and add. Mix well together. Place into 2 greased log tins, pressing mixture well into tins, and smoothing tops. Bake in an oven, preheated to 325°, reset to 275° and bake for 2 to 2½ hours. Allow to cool slightly before removing from tins. When cold wrap in foil and keep refrigerated. Make at least 1 week before required. This cake requires no icing.



This recipe was supplied by Mrs. Joan Lyons, Senior Demonstrator, Electricity Sales.

November's issue of Contact carried an article "Can You Beat It?" concerning Norm Bowles and his prize winning entry of fifty words without using the letter 'e'.

To refresh your memories, Norm's entry is reproduced below:

"MY HOLIDAY PLANS

Tomorrow, I start my holidays. Usually, on finishing a big job, I pack my bags and fly off to Spain.

But not this trip. For six months, I sojourn with that "in-crowd" at popular, law-abiding Long Bay.

For alas, on my last big job, I got caught."

Geoff Mounter has sent in a reply to this:

"NAUGHTY NORMAN CAUGHT AT LAST!

What a pity that such a cunning, smooth working craftsman should miss out on his Annual Vacation and all on account of not taking his usual caution.

Is this not a warning to us all that without caution, hard hats and common sense our holidays could vanish, too."

Geoff went further than this, however. He suggested running a safety competition on the same lines. We thought this a good idea, so that's just what we are going to do.

Here's what the competition consists of: Write approximately fifty words on the subject of safety (not necessarily safety at work) without using the letter 'e' and send in your entry to the Editor, Public Liaison Section, Morwell, by January 21, 1972.

The competitor whose entry is judged the best will receive as a prize a choice of an electric toaster or electric jug.

So put on your thinking cap over the holiday period and send in your entry (or entries). The result will be published in February's Contact.

NOISE...

Hearing Conservation



Nowadays we are hearing more and more about pollution. It may be an article in a technical journal or a newspaper or a talk on radio or television.

So far the emphasis has been on pollution of our atmosphere and our waters.

However, there is another pollutant which concerns all of us and that is noise.

The S.E.C. has already made great efforts to combat pollution in the air and in our rivers.

The same desire to combat noise also applies and early in 1972 it will introduce an S.E.C. wide hearing conservation programme.

This programme has been under way for some time now and only a few minor details remain to be settled before it is a going concern.

What is it all about?

Before going into the details of the programme, let's have a look at a few points about noise and its likely effects on our hearing.

What is noise?

For want of a better definition it is unwanted sound.

I'm sure at some time or another you have been annoyed by unwanted sound—your son's transistor with the latest hit tune at full volume or his record player. Perhaps it may be a dripping tap just when you have got into bed, or the neighbour's lawn mower, a barking dog, a pneumatic drill, a bandsaw. There is no end to the list and what annoys one person doesn't necessarily annoy another.

However annoying a sound may be, it doesn't always follow that it is injurious to your hearing. In fact, most noises that we encounter are not harmful.

By the same token if our hearing deteriorates it does not necessarily mean that it is due to the noises we are subjected to in our daily lives.

It may be that we suffer from some defect in our hearing mechanism from the time of our birth. It may be due to some disease or accident. It may be due to the natural process of getting older. When we reach an age around 50 our hearing naturally deteriorates. Doctors can predict just how

much we can expect to lose in our hearing ability due to aging.

What determines if noise is likely to be harmful to our hearing?

Without going into technical terms, there are three factors involved.

The first is called a pitch or frequency. For example the turbines in our power stations rotate at 50 revs. per second. They would produce sound waves with a frequency of 50 cycles per sec.

The second factor is loudness and you don't need to be told what that is.

The third factor is the length of time to which we are exposed to noise. If we were exposed to a certain noise eight hours per day for five days a week it could be harmful. On the other hand if we were exposed to the same noise four hours per day five days a week it may not be harmful.

If we are subjected to loud industrial noises, a particular deafness, which mainly affects the ability to hear conversation, could result. This loss is gradual and painless but it is permanent. It cannot be cured but it can be prevented or arrested.

It is because of this that the Commission is introducing its hearing conservation programme. Your local union officials have been kept informed of the development of this scheme and fully support it.

The first step in the programme is to measure the noise by means of a suitable instrument. This will determine if the noise is likely to be harmful. If so, then the time that a person is exposed to the noise is taken into consideration. If the noise is still likely to be harmful then there are three steps which can be taken:

1. Remove the source of the noise. This of course will not always be practical. To overcome this problem the S.E.C. is now specifying

maximum noise levels when ordering new plant.

2. Reduce the noise to a safe level. This can often be accomplished by the placement of barriers or enclosing the noise source.
3. Protect the person exposed to the noise. This is achieved by wearing suitable ear muffs or ear plugs. Alternatively, it can be achieved by reducing the time of exposure to the noise.

The next part of the programme is to test those employees exposed to harmful noises.

The arrangement proposed to do this in the Latrobe Valley is to train some of our full-time first aiders in Melbourne on the use of an instrument called an audiometer which determines the state of a person's hearing.

When fully trained the first aiders will conduct tests in a specially made booth. There will be three of these available, probably one in the Yallop area and the other two in the Morwell-Hazelwood area.

Further tests will be conducted at later dates to detect if there is any hearing deterioration.

Ear muffs will be made available when required. Only ear muffs which have been specially tested and approved will be issued.

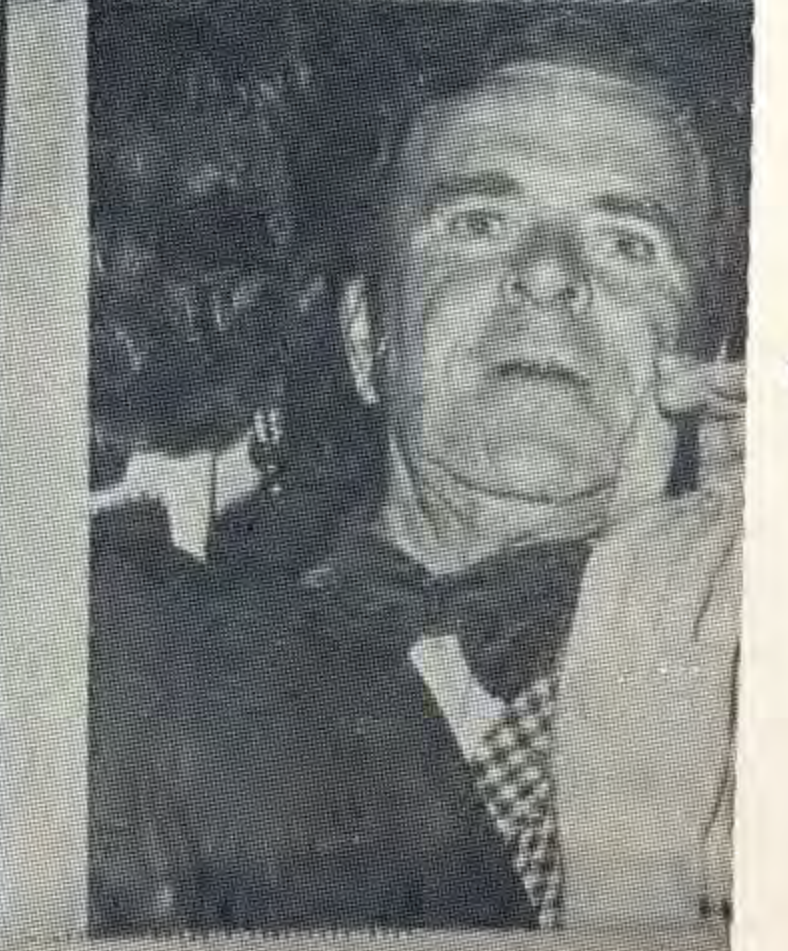
If the tests indicate that ear plugs are necessary then these will be personally fitted under local medical supervision.

This article gives you a broad picture of the hearing conservation programme designed to protect you.

Later on, special instructions will be supplied to all L.V. Divisions. In addition, every employee will be issued with a small hand-book which sets out all the essential information in simple language. Remember, your hearing is valuable. Look after it.



S. E. C. STAFF SOCIAL CLUB
WINE AND DINE
on the Eve of the Melbourne Cup
at the
"TOWER RESTAURANT"
GOLDEN HILL



Allison Wonderland

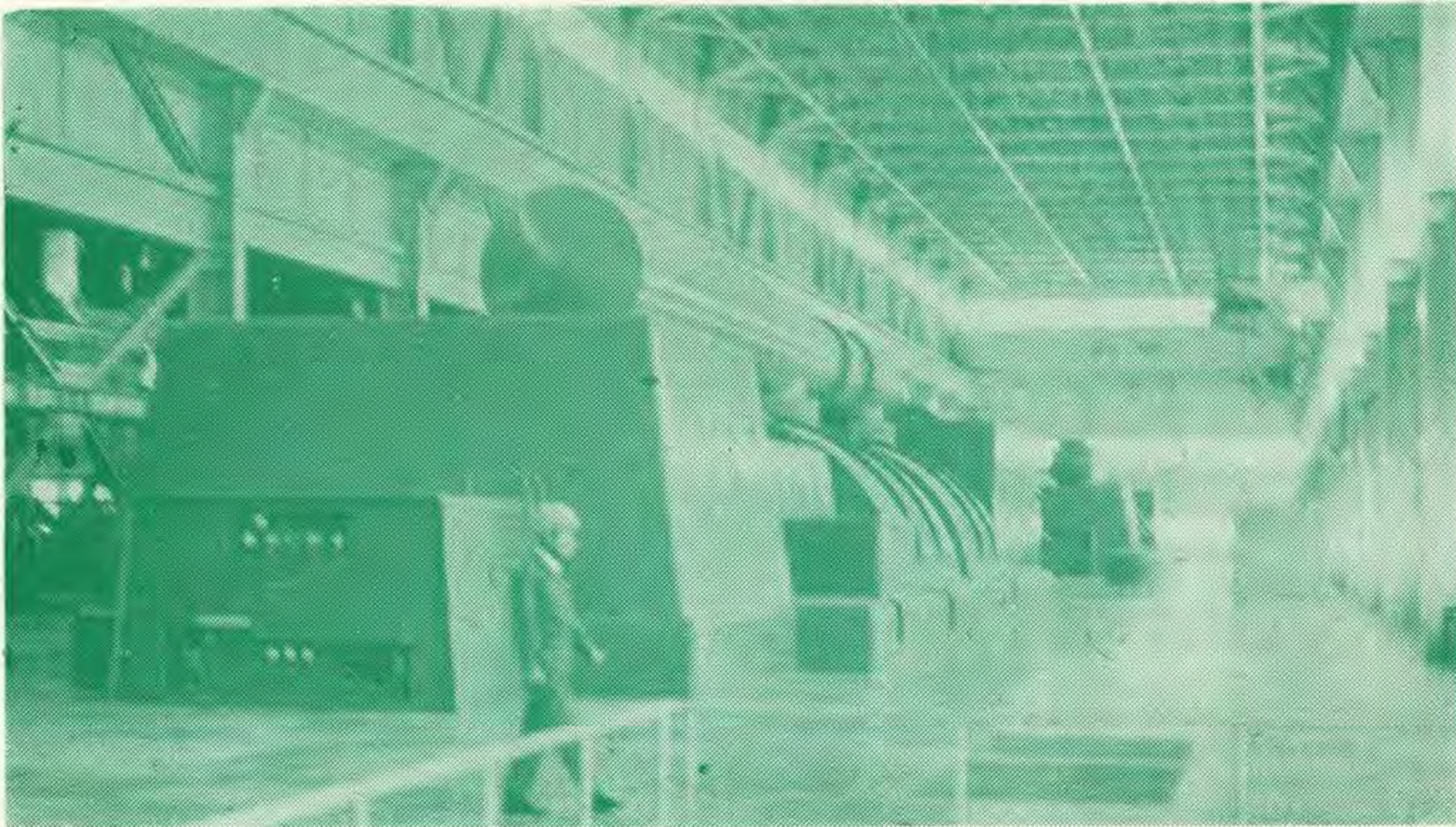
by Don Allison, Engineer, Construction Branch of Power Department

A mission to Japan for me? Yes, it was true. Short notice indeed, but with the Commission's experience in these matters and a tireless effort by Denis Turner who was the other lucky member of the mission, the time was sufficient and soon we were winging to Tokyo via Manilla and Hong Kong.

Our programme for this mission included discussions with both Mitsui, the main turbine contractor for Yallourn 'W', and Toshiba, the sub-contractor who actually supplies the turbo-

During certain phases of the shop test we had an opportunity to look over other sections of the turbine works, one of the most interesting being the blade manufacturing shop. The Japanese refer to blades as buckets.

We returned to the turbine works eight days later to see the machine completely stripped down, ready for final inspection prior to packing for shipment to Australia. Several parts still had to be finished off but very



The Turbine Hall at Atsumi Power Station has two 500 MW 60-cycle Toshiba turbo-generators.

generators for Yallourn 'W', witnessing the shop test of our No. 2 turbine, examining the machine when stripped and checking quality of workmanship in general with particular emphasis on items of plant which caused concern in No. 1 turbo-generator.

While this programme had appeared reasonable to us in Australia, we soon realised that Japan has problems which defy one to keep to a fixed programme when road transport is involved. However, with one small exception we managed to complete all items listed.

We witnessed the final shop test of No. 2 turbine at Toshiba's Tsurumi West turbine works on Saturday, November 6. The test ran to programme throughout, the highlight being a five minute run at 115% full speed climaxed by three seconds at 120% full speed. There was great jubilation at the plant when the machine had completed this final test without any appreciable vibration and it was particularly encouraging for us with the commissioning of Unit 1 fast approaching.

little rectification work had resulted from the works test.

Our visit to Toshiba's Tsurumi generator works was at an opportune time as although our generator was not ready for a shop test it was far enough advanced for us to examine and discuss several features which the Commission had considered contentious. Available time limited our tour of these works but we managed to see many generators, similar to our own, in all stages of fabrication.

Fuchu Works, another Toshiba factory, which manufactures switchgear, control equipment, etc., was also on our list. Here, after solving a cubicle modifications misunderstanding, we still had plenty of time for a leisurely look over the plant. One could only be impressed by the "clean shop" conditions and the positive efforts made to maintain these conditions. As one of our problems has been access to cubicles, I asked what governed their choice of cubicle sizes. They made it quite plain that if the customer does not state clearly what he requires,



Denis Turner, Senior Projects Engineer, Yallourn, points out something of interest to Don Allison, author of this article.

then Toshiba make what they consider to be satisfactory. The message is clear—say exactly what you want.

At the Ebara Pump Works at Hanedo which is sub-contracting to Toshiba for the manufacture of the steam-driven boiler feed pumps for Yallourn 'W', they were putting our No. 2 pump through its preliminary paces when we arrived. Several minor points were raised on the quality of workmanship and we were assured that these faults would be rectified.

A mission by Power Department personnel would not be complete without at least one power station visit squeezed in. The choice of Atsumi Power Station has a two-fold purpose. Number one, of course, was to see an operating power station in Japan with Toshiba sets similar to those supplied for Yallourn 'W' and number two



Bridge over a pond at the Heian Jingu Shrine.

was to experience the thrill of riding in one of the famous "Bullet" trains, which I shall mention later.

The Atsumi Power Station is a base load station of 1000 MW made up of two units which operate at full load 24 hours, seven days a week and to date has only a 2% outage rate. Boilers use fuel oil and starting up of units is by computer. The turbo-generators are Toshiba 500 MW 60-cycle reheat machines with an H.P., I.P. and 2 L.P. turbine in line.

We completed our work mission feeling reasonably confident of its success. Technical problems that have been causing concern for months between offices in Australian works and Japanese works were resolved in a matter of hours across the conference table. The major problem of communications exists in all organisations and where a language difference is involved this problem grows.

To meet these people and see their factories has given us a different outlook and an appreciation of situations that have bothered us. The amount of work that these factories handle and the speed at which the jobs are done make it quite obvious why the contractor has no objections to doing modification at his own works but is reluctant to pay for the same modifications to be done in Australia.

For those who are concerned that we did nothing but work during our stay in Japan—relax. We managed to fit in three days of sightseeing and were able to make the most of them because of the careful planning of the Mitsui and Toshiba organisations.

A day trip to Nikko National Park by train would have been a delightful experience had we not cunningly missed the train and so had to go by car. We soon realised why the train trip had been chosen. A trip which takes two hours each way by train took us four hours one way and seven hours to return. But it was worth all of this. The scenery in the park is beautiful at this time of the year. The autumn tonings of the native trees reach out over the hills in lines and patches until they reach the very mountainous regions. Also set in these beautiful surroundings are Tan-Bubu-Do Temple, Yomeimon Gate and the Toshogu Shrine.

We continued on through mountainous country to Kegon Falls which are 330 ft. high and said to be a favoured suicide spot. Above and behind the falls is beautiful Lake Chuzenji which freezes over in winter and is then used for skating. The mountains surrounding this area were as though brushed with a powder puff as the first snow of the season had just fallen.



Punctual, fast and efficient — a typical country train.

Time did not allow us to visit any other feature spots in this park but the one-way ring road through the mountain area is worthy of mention. The hairpin bends are numbered and total 48. They rate a number only if they are full 180° bends.

Another day was spent looking through shrines and temples in Kyoto. Here it is possible to go from the hustle and bustle of an overcrowded Japanese street into the peace and quiet of meditation in 20 paces. These shrines and temples have the art of having something better to photograph around each successive corner. A photographer's nightmare and the local film merchant's dream.

The Hokone National Park contains the famous Mt. Fuji, but unfortunately on our visit a cloud completely hid the peak. We did manage to get a good shot of the top when we were leaving Japan by plane. As in all

places we visited, the commercial side is paramount and souvenir sellers are everywhere. So too are the little food stalls; one which is rather novel in this park sells eggs actually cooked in the hot springs. A lake high up in this mountain region is well equipped to handle tourists with its many ferries and hire boats. It also freezes hard in the winter. The day at Hakone Park was made complete by our stay in a Ryo Kan, which is an old style Japanese hotel called Kikka So. The only thing to spoil the atmosphere was a television set.

The first things one notices in Japan are the great extremes. From ultra-modern to outdated; from rail transport that you can set your watches by to road transport which is anyone's guess; from expressways with flyovers to goat tracks which serve as main roads; from people dressed in mod gear to people dressed in the old



A mother with baby carried papoose-style on her back takes a Sunday morning stroll in a Tokyo outer suburb.

style; from rotary hoeing to digging with sticks.

I said that I would give the trains a special mention. The Japanese country trains, whether private or Government-owned, must rate with the best anywhere in the world. They are punctual, fast and efficient. For the Bullet trains and others the platforms are marked with arrows to indicate door opening points and that is exactly where the doors of the carriages are when the trains come to rest. Suburban trains are also fast and punctual but the same precision is not required at stops because of the many doors per carriage.

Road transport is one thing you can never be sure of. At times all goes well and the destination is reached on time, but at other times even with the super expressways a short trip may take hours. This is because of the congestion on both expressways and narrower roads. One accident or breakdown can build up quickly into a major roadblock.

With our work mission and as much sightseeing as Mitsui's and Toshiba's organisations could fit into our programme completed, it was time to leave for home via Hong Kong and Bangkok. We spent two nights at Hong Kong or rather Kowloon and bargained for our gifts for home. It becomes obvious that if you know all about the article you want there are marvellous bargains to be made. The inexperienced should try to find a reputable dealer or be prepared to waste money.

On to Bangkok for the last night of our trip. Although we arrived the day after the peaceful revolution, except for a few tanks and plenty of soldiers, we were relieved to see no obvious signs of concern by the people. With most of our money spent in Hong Kong we concentrated on sightseeing and although we saw through the Royal Palace of all the King Rahmans from 1 to 9 and various shrines and temples, the highlight of our stop in fit.



Kegon Falls in Nikko National Park are over 300 feet high — a favourite suicide spot.

Bangkok was a tour, by ferry, of the water market. It is the only place in which I have seen a traffic jam on water and watched a traffic cop directing ferries and water taxis by blowing his whistle, waving his arms and jumping from ferry roof to ferry roof. I would like to return to Bangkok with my family.

On arrival in Melbourne, both Denis and I were well pleased with the success of our mission and will never forget the efforts of Mitsui and Toshiba to make our stay in Japan as memorable as possible. The leisurely trip home allowed time for us to get through the let-down period that usually follows such missions and enabled us to arrive home fresh and



A ferry on Lake Ashi in Hakone National Park.



\$5,000 SMILE

Peggy Gardner's husband, Wally, wanted to know what she would like for an anniversary present.

Peggy, who provides the cuppas that keep the staff of Yallourn Workshops Administration office going, replied, "Oh, I don't know—just get me a couple of Tatts tickets."

Wally did as he was told and one of the tickets won second prize of \$5,000—no wonder Peggy's going around with a happy smile on her face!

How Big is the Australian Work Force ?

The following are the stark facts facing us:

Population of Australia	12,000,000
People of 65 and over	2,800,000
Balance left to do the toil	9,200,000
People of 18 and under ..	2,000,000
Balance left to do the toil	7,200,000
People working for the Government	3,400,000
Balance left to do the toil	3,800,000
People in the Armed Forces	950,000
Balance left to do the toil	2,850,000
People in banks, insurance, state and council offices	2,100,000
Balance left to do the toil	750,000
People in asylums, hospitals and engaged in trotting and greyhound racing ..	600,000
Balance left to do the toil	150,000
University students and others who won't work	125,000
Balance left to do the toil	25,000
People in prison	24,998
Balance left to do the toil	2

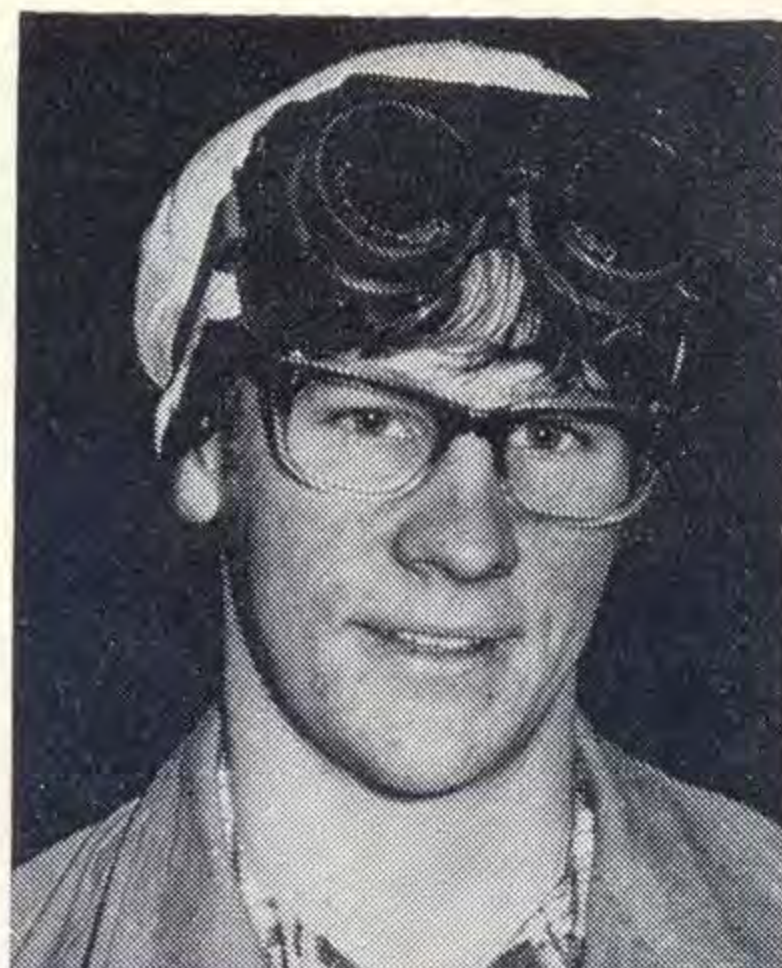
YOU and ME—and you better pull your socks up, because I'm sick of running the country on my own.



Top Trade Award—Mechanical Fitting, ROBERT KNIGGE



Top Trade Award—Machining STAN SAVIGE



Top Trade Award—Boilermaking ROBERT REINKOWSKY



Top Trade Award—Electrical Mechanics GUNTHER WILLRATH



Top Trade Award—Electrical Fitting PHILIP COLAVECCHIO



Top Trade Award—Instrument Making and Repairing, PETER FOX



Top Trade Award—Other Trades (Combined) FRED BOLDING (Carpentry)

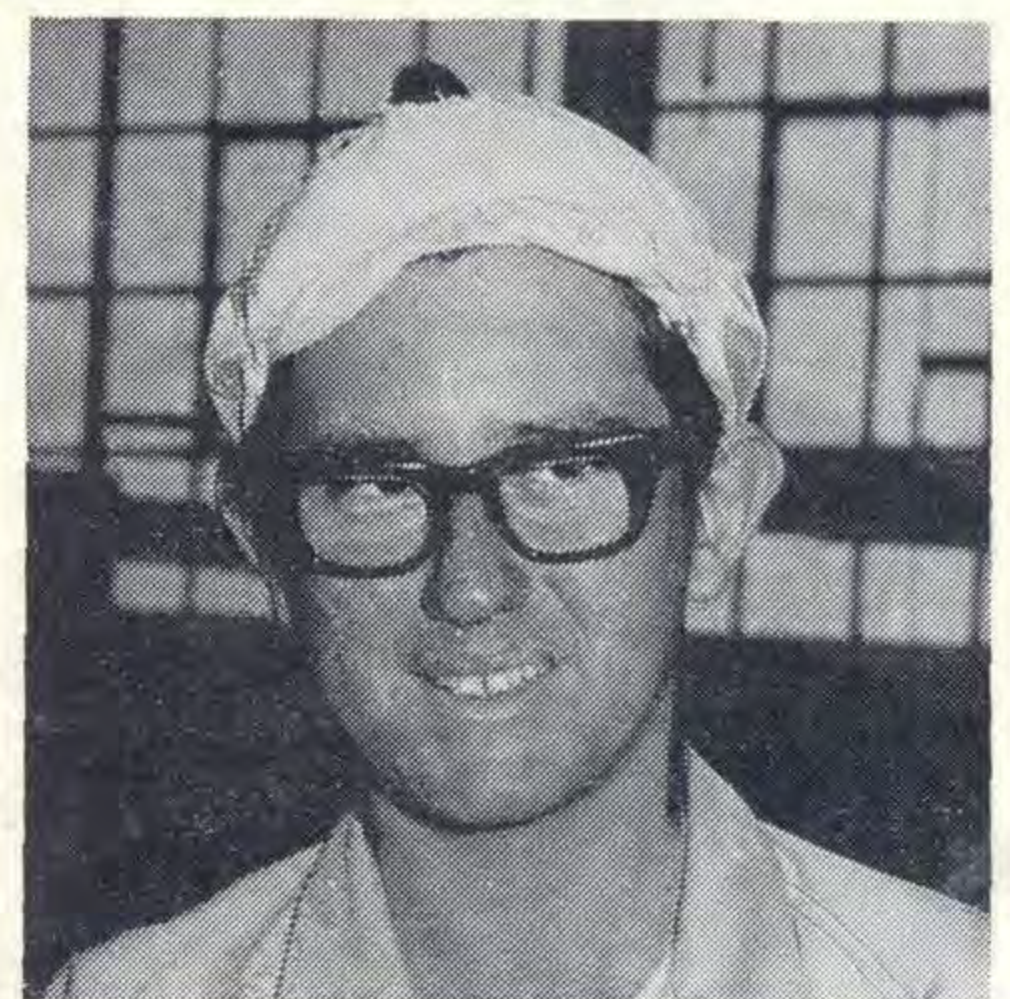
AWARD-WINNING FIRST YEAR

APPRENTICES

1971



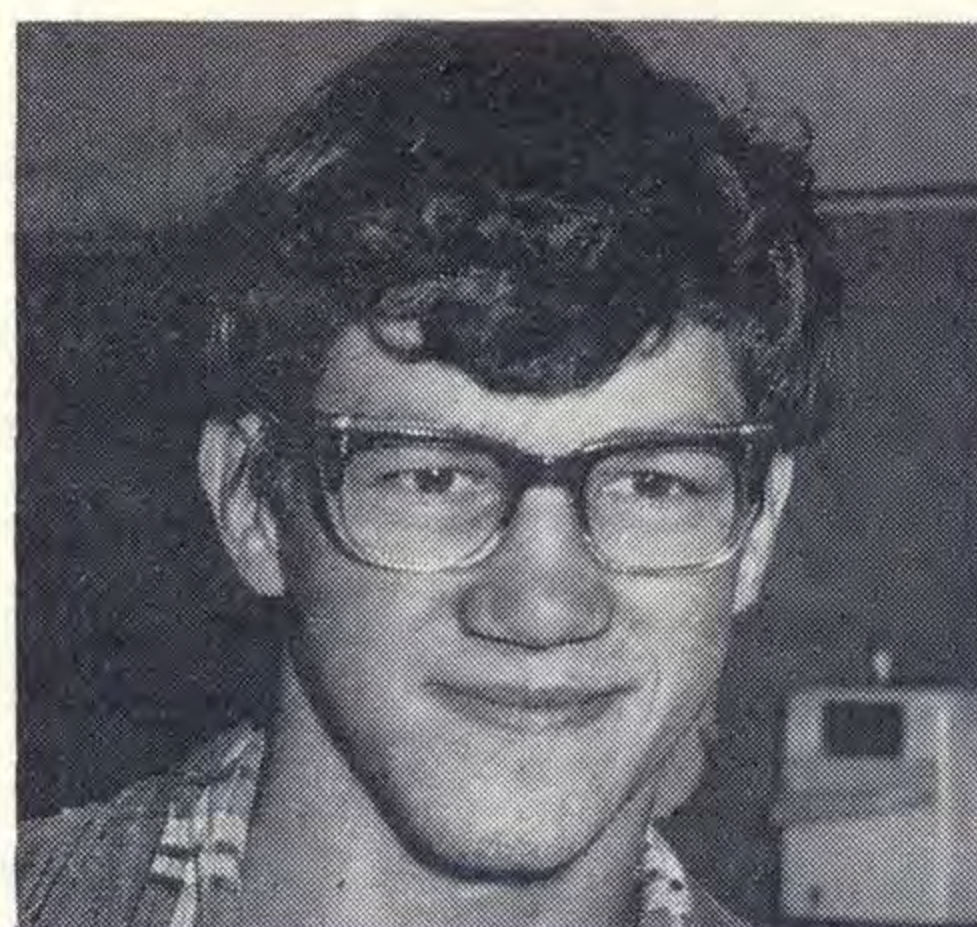
Most Improved Award—Fitting & Turning NOEL MCGREGOR



Most Improved Award—Boilermaking GARY MITCHELL



Most Improved Award—Electrical Mechanic, COLIN McCOWAN



Most Improved Award—Electrical Fitter WILLIAM KOSAKIEWICZ



Most Improved Award—Instrument Making & Repairing, GEOFF STREDDER

SAFETY SECTION

HOLIDAY SAFETY

The approach of the holiday summer months is a reminder of the importance of Off-The-Job safety. It is at holiday times that people tend to be more adventurous and forgetful of possible hazards. Nevertheless, off-the-job safety is important all the year round; there is no holiday, summer or winter, for safety precautions.

It is very true to say that in this country, except for some enlightened firms, not enough attention is given to what happens to a man when he is off the job.

This is in contrast to the view taken in many countries abroad. For instance, in America safety is looked on as a continuing thing and the effort and money put into off-the-job safety is considered to be very worthwhile.

A man injured on the road or beach or in the home is just as much lost for a time from work as though he had been injured at work.

Some firms have found that home and road accidents cost as much in lost time as do accidents at work. In addition, of course, accidents to members of workers' families have a serious effect on work programmes.

Safe practices in the factory tend



to spread into the home. For example, in the use of electrical equipment, hand tools, ladders and also in the wearing of protective clothing and eye protection.

Safety is indeed a continuing thing; it does not finish at the factory gates, it involves all our activities.

TRAINING

At work we are taught in our training sessions that the first thing we must do is learn to spot hazards (remember we said that a hazard is anything that is dangerous). We were further taught that we can do something about these hazards, e.g.

Warn Report Guard Eliminate

Of course the most effective remedy is to eliminate the particular hazard, but when this is not possible one or all of the other actions should be taken. Let us then look at some of the areas in which we can apply these principles off the job and in particular to this holiday season.

If we prevent accidents then we prevent possible Injury-Losses or Damage so perhaps we should first look at a few rules which may prevent personal property loss.

Before leaving on a trip:

- Leave a house key with a trusted neighbour or friend if possible, so that they can check your home on a regular basis.
- Discontinue such delivery services as milk, mail and newspapers to avoid alerting people of your absence.
- If you plan to be away for an extended length of time arrange to have your lawn mowed regularly.
- Check to be sure all windows and doors are locked before you leave and DO NOT leave a key

in your meter box or under the door mat. These are the first places burglars look.

PLANNING

Before you leave on your holiday you should do some planning.

1. Make a list of holiday requirements and check the list before setting out.
2. Pack a first-aid kit—torch and spare batteries.
3. Give your holiday address to a neighbour or to the police.
4. Remember — Cancel papers, letters, milk, etc.
5. Have your car, caravan or trailer checked for safety and road worthiness.
6. Remembers always to "BELT UP" while you are on the road.

Now let's look at some specific rules to be observed in particular holiday situations:

Hiking

- Always let someone know where you are going and when you expect to return.
- Keep together.
- Never take long walks without expert leadership.
- Wait for help if lost; do not wander farther.
- Take drinking water, a full box of matches and a reliable map of the area.

Camping

- Label containers clearly and store where children cannot reach.
- Never store fuel in soft drink or milk bottles.
- Prevent scalds by taking care with hot teapots, billies, etc.
- Don't forget that insect sprays are flammable.
- Keep fire-fighting equipment handy.

Swimming

- Never swim alone.

- Never leave children alone near dams, fish ponds, swimming pools, rivers, creeks or beaches.
- Beware of rubber floats and rubber toys that can carry you beyond your depth.
- Learn mouth-to-mouth resuscitation and know what to do if an accident should occur.

Boating

- Check the weather forecast.
- Take care handling fish hooks.
- Check that oars and rowlocks are in the boat.
- Watch for changes in the weather and allow ample time to return to shore.
- Always take a thick pullover, drinking water and an extra can of fuel.
- Tell someone where you are going and what time you expect to return.
- An approved life jacket for each person must be carried on board and it is compulsory to carry a fire extinguisher.

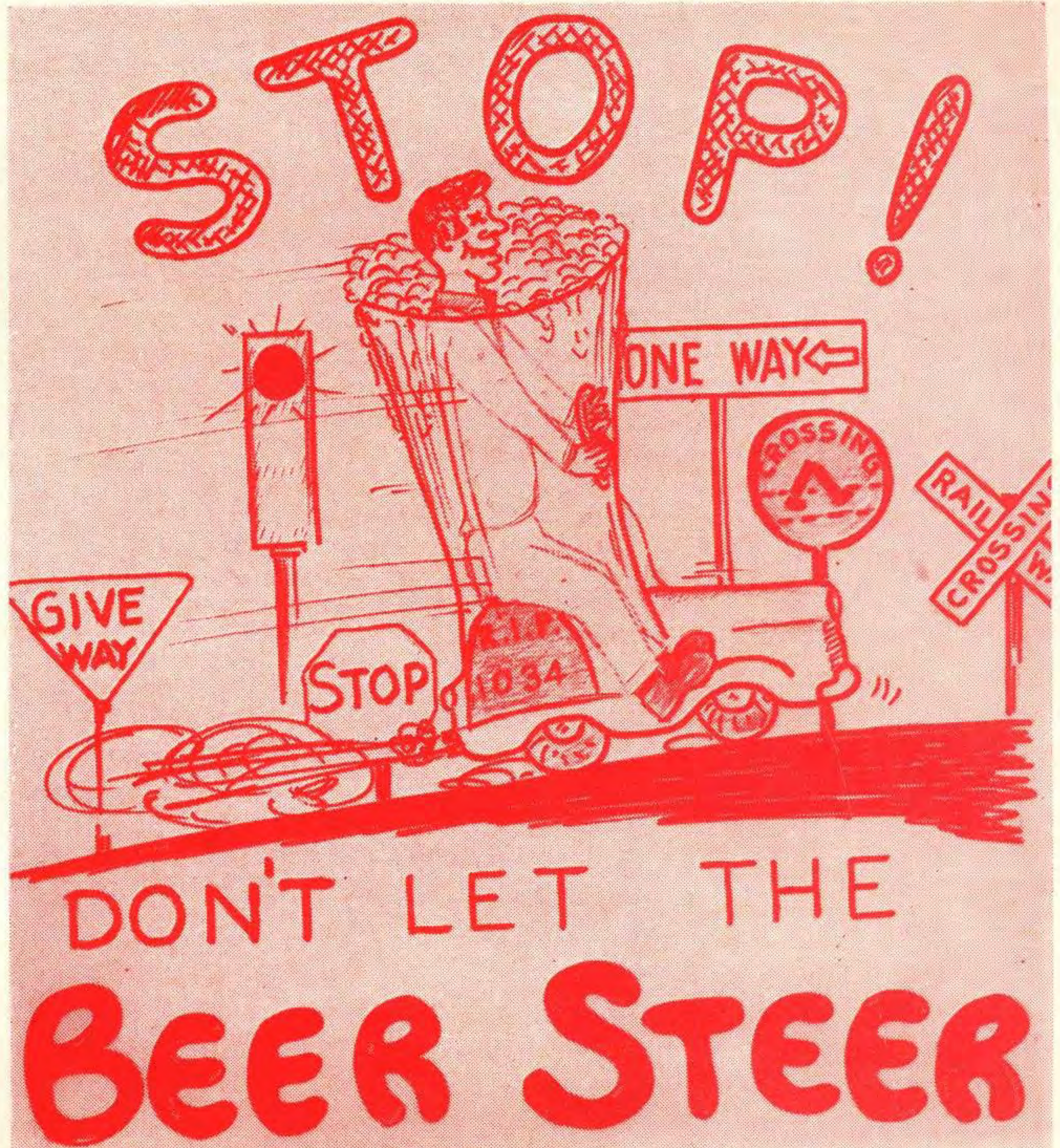
General

- Never leave young children without adult supervision.
- Make sure that children have proper meals and rest.
- Always wear a hat and sandals.
- Take particular care with guns—lock up ammunition.
- Never put electric lights on metal Christmas trees.
- Never leave pressure cans in direct sunlight, or throw them on fires. They can explode.
- Never drink when you are going to drive.

Venomous Bites

As venomous animals are essentially non-aggressive to man, the probability of receiving a venomous bite is quite small; however, the probability can be further reduced by adherence to the following:

Leave snakes alone; do not attempt to catch or kill them.



This poster was submitted by S. Caines of Survey Drawing Office, Yallourn, and produced by our paint shop in Yallourn. If you have any ideas on a poster on any aspect of safety we would be happy to hear from you. Send your ideas to the Safety Officer at either Morwell or Yallourn.

Never put a bare hand in rabbit burrows, under logs or in other places likely to conceal a snake.

Be careful of dark corners of sheds, in cable ducts and tunnels, under tins and other objects on the ground which might harbour red-back spiders.

If a venomous bite is received —

REMEMBER . . .

1. Immediate application of a constrictive bandage between the bite and the heart where possible. Bootlaces, cords, flex, etc., must not be used as constrictive bandages as local flesh and blood vessel damage could result. If on a limb the constriction to be placed around the single bone always above the knee, or elbow. The bandage must be released after 1½ hours.
2. The victim must not panic — keep all movement to a minimum.

3. Wipe off all venom remaining on the skin.
4. Without delay, obtain an injection of the appropriate anti-venene.
5. Do not attempt to cut through the puncture marks.

NOTE.—Anti-venene is available for red-back spider and all snake venoms. It is preferable, but not essential, to identify the snake. If snake identity is unknown or doubtful, a polyvalent anti-venene can be administered with excellent results.

Many people will die over this coming holiday period; many more will suffer serious injury and will not be able to enjoy another holiday—we trust that the advice given in this article will assist in keeping you and your family safe.

On behalf of the Safety Section may we wish each and every employee and their families a Safe and Happy Christmas and an accident-free New Year.

Printed by The L.V. Printers, 57a Seymour Street Traralgon, for the State Electricity Commission, Latrobe Valley Department.



Keith Hogben, a Foreman, Grade 3, at Yallourn Open Cut, retired on Tuesday, November 23, after 30 years' service with the Commission.

Keith spent most of his time working on overburden and earned a reputation as an efficient and reliable worker.

Eric Foote, Coal Superintendent, Yallourn, presented Keith with a history book of Yallourn and Yallourn North operations and Ken Lamin, Manager, Coal, presented him with a gold watch, also one for his wife.



Fred Woods, a Tool Storeman in the Boilermakers Shop at Yallourn Power Station, retired on Wednesday, December 1, after 18 years' service.

Fred lived a colourful life, running away from home when he was 15

and doing a variety of jobs—including running a fish and chip shop before joining the Commission in 1953.

A couple of broken legs stopped Fred long enough for him to get married to his nurse and he's more or less settled down since then.

Fred's send-off was accompanied by a practically non-stop commentary from Fred himself. When he paused for breath, P.S.S. Arthur Ewen, on behalf of his many mates, presented Fred with a collection of notes.

RETIREMENTS



Bob Kerr, C.A.O. Grade 1 at Stores, Yallourn, retired on Friday, November 12.

Bob started in 1944 in the old General Store in Yallourn which later became Rockmans. In 1954 he returned to Yallourn Stores and then transferred to Morwell Stores.

Departmental Commercial Officer Ron Osborne presented Bob with a birthday cake, an electric frypan and vertical griller on behalf of his workmates and wished him a long and happy life at Frankston, where Bob will spend his retirement.



Phil Evans, Communications Engineer with Transmission, Yallourn, retired on Thursday, November 11, after 36 years' service.

Popularly known as the stormy petrel of Communications, Phil joined the Commission in 1935 as a meter tester and worked in Ballarat, Geelong and the metropolitan area. He served in the R.A.A.F. from 1940-45 and then was appointed Telephone Maintenance Officer at Yallourn.

Manager, Transmission, George Bates, presented Mrs. Evans with a brooch and orchid and Phil with a wallet of notes. Phil was also given an outsize wooden fork and spoon.



Harvey Oliver, a Turbine Plant Attendant at Morwell Power Station, retired on Friday, November 26, after 26 years' service.

Harvey started work at Yallourn Power Station in 1945 and transferred to Morwell in 1958.

Power Station Superintendent, Alan Castelow, said Harvey had always taken a keen personal interest in his job and was held in high esteem by his workmates. He then presented Harvey with an engraved silver tray and glasses and a wallet of notes.

IDEAS ARE VALUABLE

The Suggestions Scheme is the medium by which you can submit constructive ideas to improve efficiency and production, increase work safety, reduce costs and eliminate waste.

You are invited to become an active participant in the Suggestions Scheme. It affords a channel by which you can communicate directly with Management.

The Scheme has brought valuable benefits to the Commission and its consumers and thousands of dollars have been paid for successful ideas.

There are no strictly defined limits to the field within which you may submit a suggestion. It can be related to anything which may, or may not, concern your own job and which would result in the introduction of new methods or improvement to existing methods for greater efficiency of plant, equipment or procedures. You may request a reinvestigation of any suggestion previously not accepted if substantially the same idea is adopted at a later date.

If you make a suggestion directly to the Secretary of the Board, your name will be confidential and known only to him. You are not required to disclose to anyone that you have submitted a suggestion to the Board.

All awards granted by the Suggestions Board are paid to the suggestor cheque.

Keep on trying. Remember you may submit as many proposals as you like, opportunity is unlimited, so don't sell your ideas short. The suggestion you don't submit may be your best.



Valley Suggestions Come Out Tops

The Latrobe Valley Department's substantial contribution to the success of the Suggestion Awards scheme was praised by Mr. J. P. Dickson, Chairman of the Suggestions Board, on Wednesday, November 24.

Mr. Dickson and other members of the Board — Messrs J. A. Downey (Electrical), J. C. Savige (Mechanical), J. W. Drummond (Secretary), and C. R. MacDonald (Asst. Secretary) — were here for the presentation of the Best Suggestion of the Year Award and the Reserve Award Technical to Valley personnel.

This year's Best Suggestion Award went to Alan Kirk, Overseer, Reg Coad and Barry Dunn, Foremen Boilermakers, all of Hazelwood Power Station. The Reserve Award Technical was won by Jeff Sloan, L/H Electrical Fitter, Electrical Services, Transmission Division.

Five out of the eight Suggestions of

the Year Awards and six out of nine (including one dead heat) Reserve Awards presented since the inception of the scheme have come to the Latrobe Valley.

The Awards, consisting of cheques and mementoes, were presented by the Deputy Manager, Latrobe Valley Department, Mr. Graham Black.

Our photograph shows Mr. Black examining Jeff Sloan's memento while Barry Dunn, Reg Coad and Alan Kirk look on.

WANTED TO BUY

2-3 BERTH MODERN CARAVAN, must be in excellent order. — Please call C.P. RIGG on Extension 3476.

FOR SALE

MINOLTA SR7 SINGLE REFLEX CAMERA and YASHICA 2½" sq. TWIN LENS REFLEX CAMERA. Both in good condition. — Contact BOB WAPLES, Stage 3, H.P.S. Ext. 5498.

SUGGESTION AWARDS, 1971

	Power		Coal		Services		Transmission		Commercial		Totals	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
Jan.-Sept.	109	4929	36	631	32	394	38	535	14	167	229	6656
October	5	93	1	15	3	45	4	52	1	6	14	211
November	5	98	1	48	—	—	1	10	—	—	7	156
TOTALS	119	5120	38	694	35	439	43	597	15	173	250	7023
Approx. Average Awards	\$43		\$18		\$13		\$14		\$12		\$28	

SPORT PARADE

GOLF DAYS IN THE VALLEY

Two golf tournaments have been held in the Valley during the last month. The Finance Golf Day was held at Yallourn Golf Club and the fifth annual S.E.C.-A.P.M. challenge match took place at Traralgon Golf Club.

The S.E.C.-A.P.M. match resulted in

a win for A.P.M. who managed to hold off a strong finish by the Commission players to win by 789 stableford points to 787.

The Finance Golf Day resulted in a win for the Latrobe Valley team over Head Office by 9 to 5.



Try as they would, the Manager, Latrobe Valley Department, Mr. Bill Schulz (above) and Lindsay Johnson (below), couldn't make their total stableford points add up to any more and A.P.M. nosed out the Commission by just two points.



Phil Ashmead, Jock McKean, a caddy, Peter Laing and the recently appointed Deputy General Manager, Mr. J. C. Trethowan, look as if they've put in a few good scores.



Peter Tabart, Stan Maw, Harold Burn and Ron Osborne look a little dubious. Perhaps Ron had just shown them his score card which qualified him to win the "If Only" trophy.

