

# Swiss electronic engineering

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## A SWISS CONSORTIUM BUILDS A POWER STATION FOR TURKEY

A consortium consisting of four Swiss engineering firms has been commissioned by Etibank in Ankara to produce the plant for a thermal power station consisting of two 150,000 kW units, to be built on the outskirts of Ankara for supplying the town with electricity. It will be the first big thermal power station in the country. The Swiss engineers are working according to the plans of Brown Boveri which will supply the electrical part of the equipment in co-operation with the Oerlikon Engineering Works, while Sulzer will supply the boilers and Escher Wyss the steam turbines.

[O.S.E.C.]

## FOREIGN SUCCESS OF A GENEVA ENGINEERING WORKS

The "Empresa Nacional de Electricidad" in Santiago (Chile) has just awarded to the Charmilles Engineering Works Ltd. in Geneva the tender for the construction of four vertical Pelton turbines with six jets each, electrical speed regulators and two water distributors, for the "El Toro" hydro-electric power station at the foot of the Andes. Each turbine will generate 121,000 kW under a head of 1,827 ft. This order was won by the Swiss firm in the face of keen international competition owing to a water injection device patented by Charmilles, which considerably reduces the total cost of the power station; the speed regulators are equipped with transistorised regulating heads designed and produced by the Charmilles Works, which have already delivered over a hundred of them. The total value of the order amounts to 12 million Swiss francs; the whole plant will be supplied by the Charmilles Works. The same Geneva firm, which has the exclusive European rights to use the American electro-chemical machining patents, has itself developed this process and created a whole range of machines for its application, which have already met with brilliant success. Thus for example two complete high-power electror-chemical machining plants have just been ordered by a French aircraft manufacturing firm. They are to be used for machining the main parts of the giant turbo-jets for the supersonic airliner Concorde. A first machine of this type has already been delivered to the same French firm for the machining of smaller parts.

[O.S.E.C.]

## INVALUABLE AID FOR SANITARY ENGINEERS

A Geneva manufacturer is launching an invaluable aid for sanitary engineers. The "Novotype" is an universal appliance for shaping the conical flanges on copper pipes, in preparation for fitting joints. Unlike the appliances used hitherto, the Novotype produces a regular and precise enlargement of the copper pipe without deforming it, which would inevitably result in the joints jamming. One of the models is designed for working on pipes from 4/6 to 15/17 and the other on pipes from 15/17 to 25/28. Each appliance can be set to the diameter of the tube to be widened by simply adjusting two ingeniously cut away steel discs. The Novotype is designed for specialists in five different occupations; sanitation, central heating, refrigeration, general industrial engineering and aviation.

[O.S.E.C.]

## SWISS ELECTRONIC ENGINEERING: PROMINENT POSITION IN THE WORLD

One of the managers of Hasler Ltd. in Berne has publicly refuted the myth that Switzerland is behindhand in the matter of electronic engineering. According to his statement, half of all the telegrams transmitted throughout the world by telex are despatched by means of a Hasler "TOR" apparatus (TOR = telegram over radio), an electronic system permitting the correction of mistakes, invented and built by the Swiss firm.

[O.S.E.C.]

## A SWISS COMMERCIAL TRAINING INSTITUTE FOR WATCH DEALERS IN NEW YORK

The Central Committee of the Watch Federation (Federation of Swiss Associations of Watch Manufacturers) has decided to set up a commercial training institute for watch dealers in New York with a view to extending to the United States the work carried out by the Swiss Watchmaking Industry's International Centre in Lausanne. This institute will also help to promote the sale of Swiss watches in the United States.

[O.S.E.C.]

## RESEARCH AND DYNAMIC WATERPROOFING TEST CENTRE FOR WATCHES AT NEUCHÂTEL

Founded in 1957 by a number of fresh-water diving enthusiasts, the Neuchâtel Centre of Subaquatic Studies and Sport (CESS), has set up a research and dynamic waterproofing test centre for testing waterproof watches and watch-cases under conditions they would have to face during actual use. Experience has shown that only dynamic tests under real conditions of use offer a really reliable guarantee of waterproofing. The programmes drawn up by CESS have been designed in such a way as to complete the tests of the Swiss Laboratory of Horological Research at Neuchâtel or the "Watch-Case" Centre at Bienne, with both of which the new centre co-operates.

[O.S.E.C.]

## INTERNATIONAL HARDWARE FAIR IN BASLE

Interferex 68, the 5th International Salon of Hardware, Tools and Household Arts, will be held from 1st to 3rd September, in eight halls of the Swiss Industries Fair in Basle. Either individually or through their agents, over 1,200 firms from 25 countries will be displaying their high quality products in an exhibition area of nearly 300,000 sq. ft. on a single level. The record number of exhibitors shows the growing internationalism and economic importance of this specialised Salon of European rank, which is held every other year.

[O.S.E.C.]

## WE SHOULD KNOW BETTER

We regret that once again the *Schweizerische Bankgesellschaft* and the *Schweizerischer Bankverein* got mixed up, and we reported that Dr. Samuel Schweizer, President of the Union Bank, had been made an honorary doctor of philosophy. We apologise for the error and want to put on record that he is, of course, Chairman of the Board of the Swiss Bank Corporation.