Application engineering . . . *essential to control*

No matter what the product, every plant uses methods, materials and equipment that present problems peculiar to its own production. Specifications . . . size of plant . . . rate of output . . . all impose further unique restrictions.

What, then, about process control instrumentation? To do its job right, it has to be designed with all those factors . . . and many others . . . in mind. And here is where Honeywell Application Engineering steps in.

First comes a thorough investigation of control requirements. A Honeywell engineering representative, well versed in instrumentation techniques sits down with process engineers, production men, and instrument technicians . . . discusses details of the specific process. Then he puts the problem up to Honeywell's staff of application engineers.

Specialists for Each Industry

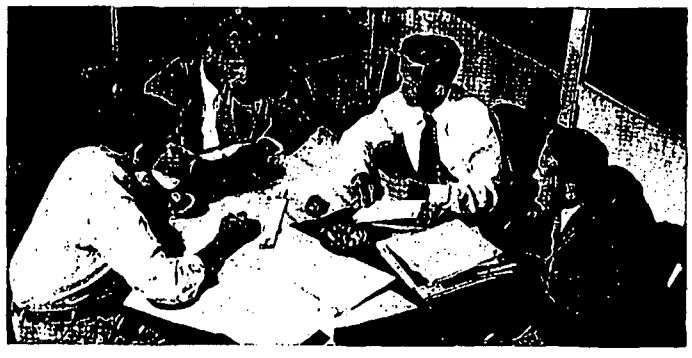
In this group are men who are expert in each specific industry. One group, for example, specializes in instrumentation for the metal-working industry . . . another for chemical . . . another for petroleum . . . until the whole gamut of modern manufacturing is represented. Each man has been trained, by education and first-hand experience, in the techniques of processing and process control in the area of his interest. Each is a living part of the industry he serves. And he knows why and where every process "is different."

Covers All Aspects of Control

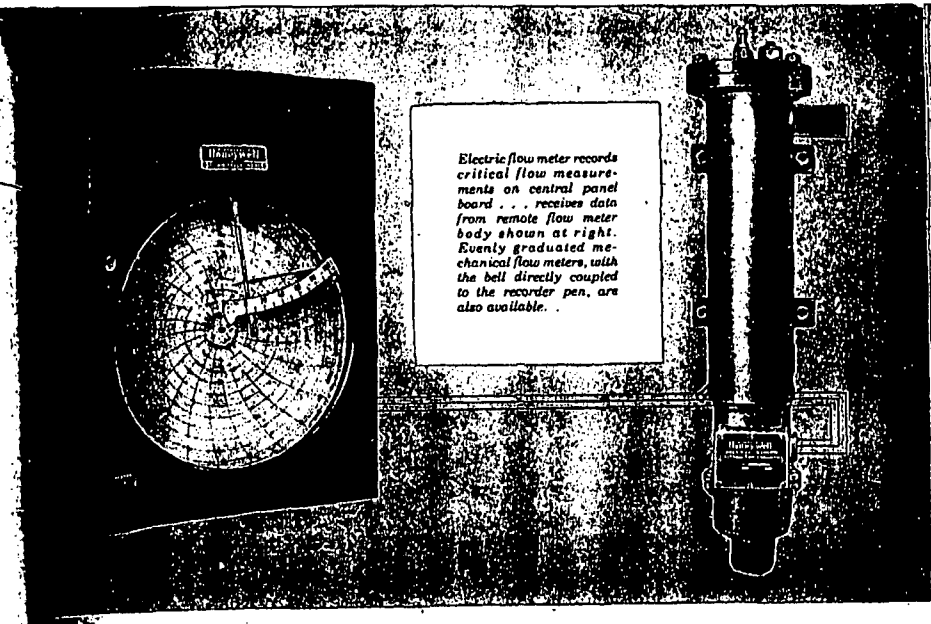
Honeywell application engineering covers the entire control installation. It works out details of what instrument to use for each measurement or control function . . . what type of primary element . . . what control system . . . what size and style of valve. It provides all essential signals, safety interlocks, and accessories. It combines all these elements into a complete unit, arranged for peak production efficiency . . . greatest convenience of the operator, and for maximum ease of service . . . custom-fitted to the individual needs of the process to be controlled.

Saves Time . . . Produces Top Performance

This Honeywell service gives specialized consultation on complex control problems that would otherwise require the attention of experts in the individual plant. But most important, it assures a control system that will produce the superior performance that Honeywell instruments are capable of giving . . . and which will help to obtain the most production and best quality from the process which it serves.



SOUND PLANNING, *based on specialized engineering experience, forms the basis of Honeywell Application Engineering. Here a round-table discussion between customer and Honeywell technicians irons out the initial control requirements for a process.*



Electric flow meter records critical flow measurements on central panel board . . . receives data from remote flow meter body shown at right. Evenly graduated mechanical flow meters, with the bell directly coupled to the recorder pen, are also available.

Choose the Brown Electric Flow Meter

for easy reading . . . accurate integration

ACCURATE information on steam and water flow at vital points in the plant is always at your fingertips when you use the Brown Electric flow meter. Electric transmission brings data accurately, instantaneously from the point of measurement. This instrument's evenly graduated scale and chart provide easy readability and consistent accuracy at all flow values . . . invaluable in cost accounting and heat balance calculations.

The built-in electronic integrator sets a new standard of precision and simplicity. It scans at a rate of twelve times per minute—detects every significant flow change . . . measures on a 6-digit counter. The entire assembly has only three major parts, all accessible for quick checking and calibration.

The meter body features corrosion-resistant, light weight design . . . has a characterized bell . . . designed to provide the utmost accuracy.

Our local engineering representative will be glad to discuss applications to your plant's flow-measuring problems. Call him today . . . he is as near as your phone.

MINNEAPOLIS-HONEYWELL REGULATOR CO., *Industrial Division*, 4490 Wayne Ave., Philadelphia 44, Pa.

● REFERENCE DATA: *Write for Catalog 2300, "Evenly Graduated Flow Meters" . . . and Bulletin 90-2, "Supervisory Instruments for Power Generation."*

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