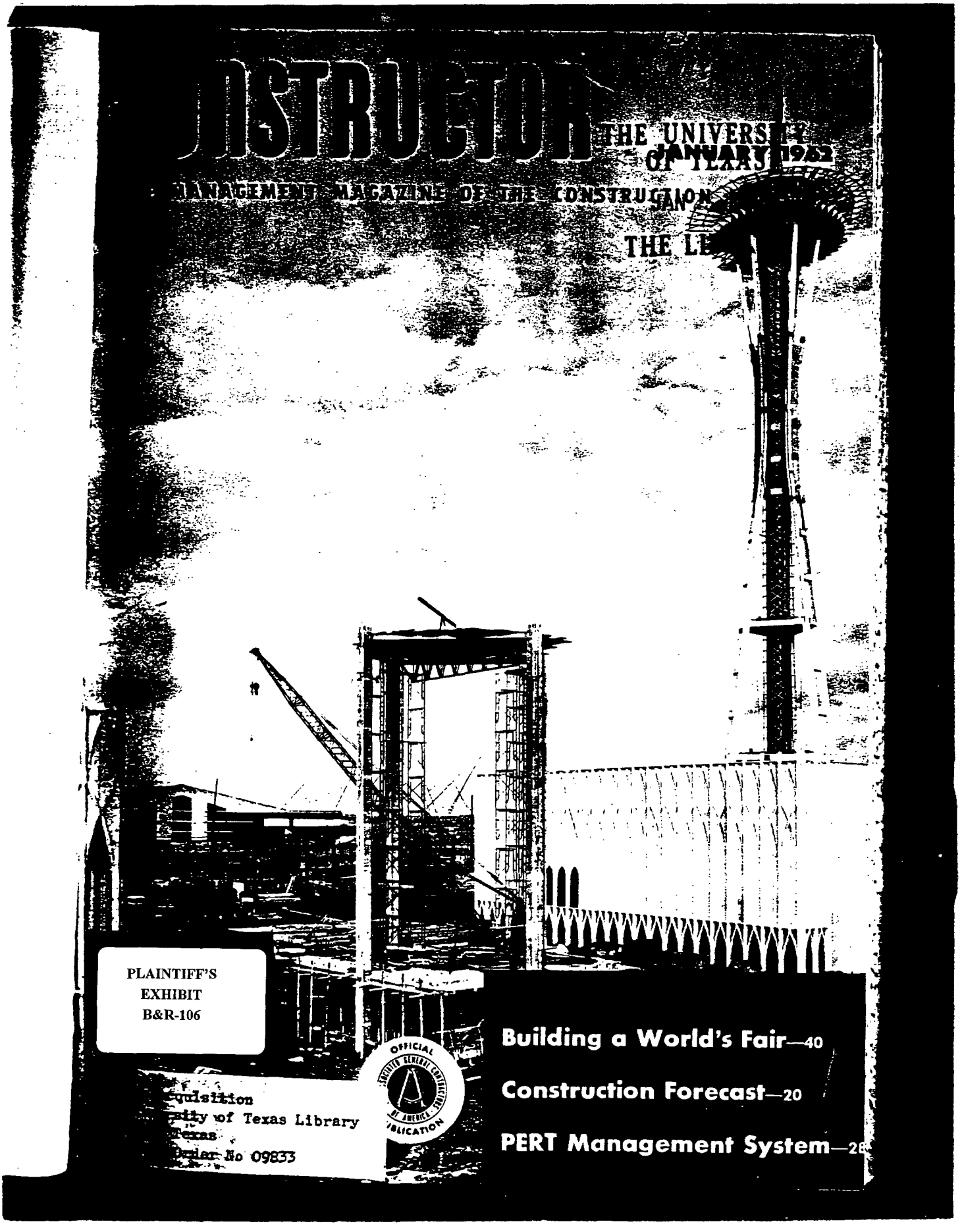
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Building a World's Fair—40
Construction Forecast—20
PERT Management System—28
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Construction of two of the structures for the World's Fair—the Space-Needle which will the site, and the U.S. Sci-Pavilion—are shown on the cover. is an artist's drawing of the restaurant and observation and view of surrounding area. All construction is by AGC contrac- *(Story on page 40.)*

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The CONSTRUCTOR

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OF THE CONSTRUCTION INDUSTRY

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New Literature

Sheeting Materials Fastening—*Atlas Bolt & Screw Co., 1140 Ivanhoe Rd., Cleveland 14.* Folder, *A Guide to Better Fastening,* contains information on fastening detail for corrugated metal, fiberglass and asbestos. Tables list most frequently used materials, give recommended hole centers and drill sizes for various sheeting materials. Recommended fastening methods —crown or valley—with correct fastener spacings are listed for each sheeting material and fastener part numbers are given. Table of drill sizes is given. Concise descriptions are given of Atlas "Neo-Bond" sheeting screws for use with metal or fiberglass and of Atlas "Besto-Bond" sheeting screws for asbestos.

Butyl Rubber—*Enjay Chemical Co., 15 W. 51st St., New York 19.* Booklet discusses butyl rubber's use for roofing, roof coating, traffic decking, gasketing, weatherseals and void fillers, floor cushioning, shock and sound absorbing pads and water barriers. Description of various forms in which butyl is available is included.

Engines—*Detroit Diesel Engine Division, General Motors, 13400 W. Outer Drive, Detroit 28.* Booklet tells story of development of 12 multifuel engines capable of utilizing any fuel from diesel #2 to combat gasoline. Covered are models ranging from 20 to 650 h.p. Information is also included on converting standard GM diesel engines to multifuel operation.

Equipment Trailers—*Miller Tilt-Top Trailer, Inc., 426 S. 92d St., Milwaukee 14.* Catalog covers 5 tilt-top trailers in 10 load capacities. Engineering features, specification data, dimensions, standard and optional equipment are detailed. Types of construction equipment which are best handled by specific models are illustrated.

Air Starters—*Ingersoll-Rand Co., 11 Broadway, New York 4.* Two air starter bulletins emphasize features and applications and give model types and specifications, covering variety of installations. Application bulletin covers diesel and carbureted engines and gas turbines, pumps, light-weight diesel tractors, trucks, hammer mills and many other applications. Each installation is described and pictured. Specifications are given for each of 5 basic air starter sizes. Lists of appropriate valves and air receivers to be used with starters and list of engines that can be equipped with them are included. Selection booklet gives specifications, mounting dimensions and illustrations, recommended air starters for specific engines and recommended air starters to replace specific electric starters.

Grader—*Galion Iron Works & Mfg. Co., Galion, Ohio.* Catalog 440 covers 160, 118 and 104 motor graders. In addition to feature highlights, it gives speed range chart, layout of hydraulic controls and cut-away view of constant mesh transmission. Attachments are illustrated and described.

Excavator-Crane—*Insley Manufacturing Corp., P. O. Box 167, Indianapolis 6.* Catalog 180-3 on 3/4-cu. yd. Type L crawler excavator-crane includes general specifications, photos, working ranges for all attachments and crane lifting capacity chart.

Grading—*Preco, Inc., 6300 E. Slauson Ave., Los Angeles 22.* Three papers on finish grading are offered. "Getting Accurate Grading" outlines results of test which compared 2 methods of grading typical highway section. "Transistorized Circuitry for Road Machinery Control" contains technical description of automatic slope control attachment for motor graders and outlines its principles of operation. "Fine Grading in Connection with Earthmoving Operations" describes basic techniques in grading and various machines and methods being used today and analyzes possible future methods.

Pumps—*Marlow Pumps, Midland Park, N. J.* Bulletin CH-61 features line of AGC rated self-priming and diaphragm pumps as well as non-rated pumps and pumps for high pressure and jetting service. Detailed ratings and engine information are given for entire line.

Truck Crane—*Young Spring & Wire Corp., Equipment Division, Bowling Green, Ohio.* Specification sheets detail performance and capacities of Daybrook PL-517 hydraulic truck crane. Lifting capacity, 360° positioning of boom and versatility available with optional 5′ and 10′ boom extensions are covered. Illustrations show application uses. Chart shows reach and lifting capacity in relation to each other and in relation to number of lines used on block. Full dimensions and com specifications are included.

Scaffold—*Superior Scaffol 5624 Bankfield Ave., Culver Calif.* "Shore X" extendible a presented in Catalog SX-101. sion feature, test data on load ing qualities and breakdown c ponents of setup are given.

Explosives Transport B—*Baughman Manufacturing Co., ville, Ill.* Model PMET boo hauling ammonium nitrate-fuel plosive is presented in bulleti monium nitrate prills and fuel carried in individual tanks and automatically in correct prop when discharged at jobsite. specifications and performance are given.

Two-Way Radio—*General E Communication Products Dept. Box 4197, Lynchburg, Va.* E ECR-958, *What You Should About Two-Way Radio,* answer tions about initial costs of inst basic communications system an vides information on preliminar required in filing for FCC lice contains data on types of frequ in which business firm can obt cense and tells of powers of equi available for each frequency gr

Safety Hat Liners—*Apex Products, Washington & Elm Cleveland 13.* Bulletin describe of winter liners for all types of hats and caps. Illustrated are nation liner for any safety hat insulated liner for extremely col peratures and stocking cap for under any helmet. Prices are g

Pipe Shell—*Associated Pil Fitting Corp., 262 Rutherford Clifton, N. J.* Helix corrugate shell for use with mandrel or a in or composite piles, and Hel rugated flume pipe for drainag tilation and other purpose detailed in bulletins.

Belting, Hose—*Boston Woven & Rubber Division, American Rubber Co., P. O. Box 1071, Bo* Catalog contains data, specific and illustrations of conveyer V-belts, hose and other produ construction use.