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AMERICAN SOCIETY OF TOOL ENGINEERS

10700 Puritan Avenue

Detroit 38, Mich.

ASTE 24TH
ANNUAL
CONVENTION

to be held in conjunction with
the 1956 INDUSTRIAL EXPOSITION

ACTIVITIES
PROGRAM

March 19TH - 23RD Inclusive
Chicago, Illinois

INDUSTRIAL CONFERENCES

PLANT INSPECTION VISITS

NATIONAL SOCIETY ACTIVITIES

LADIES ACTIVITIES PROGRAM

Tooling for Tomorrow

INDUSTRIAL CONFERENCES

Chairman: NFPA Representative

(Paper 24T36)—To be announced

(Paper 24T37)—To be announced

21. METAL CUTTING RESEARCH APPLIED

Room C—10:30 A.M.

(A report on successful application of the results of some recent metal cutting research—crater wear in cutting tools. Its causes, effects and means of reducing it are discussed. Cosponsored by the ASTE National Education Committee.)

Chairman: Carl J. Oxford, Jr., Research Engineer, National Twist Drill & Tool Company.

(Paper 24T38) "Crater Wear of Cutting Tools," by Prof. K. J. TRIGGER and Prof. B. T. CHAO, Dept. of Mechanical Engineering, University of Illinois.

(Paper 24T39) "Some Applications of Research Findings to Shop Problems," by Prof. L. V. COLWELL, Dept. of Production Engr., University of Michigan.

22. TRAINING AND DEVELOPMENT OF TOOL ENGINEERS

Room A—1:30 P.M.

(How the University trains tool engineers—how the Employer would like to have the tool engineer trained—ways to make-do with the present engineer shortage. Cosponsored by the ASTE National Education Committee.)

Chairman: Prof. O. D. Lascoe, Dept. of Industrial Engineering, Purdue University.

(Paper 24T40) "The Training and Development of Tool Engineers," by Prof. O. W. BOSTON, Dept. of Production Engineering University of Michigan.

(Paper 24T41) "Industry Looks at the Engineering Shortage," by T. C. GLEASON, Asst. Chief Engineer, Chrysler Corporation Laboratories.

23. COST REDUCTION THROUGH PRODUCT AND TOOL

MAINTENANCE ANALYSIS

Room B—3:30 P.M.

(Cost reduction through product design analysis and tool control.)

Chairman: Fred R. Swanson, Chief Commercial Engineering, Sundstrand Machine Tool Company.

(Paper 24T42) "Product Changes Improves Manufacturability," by L. D. MILES, General Electric Company.

(Paper 24T43) "Control of Tool Costs Lowers Production Costs," by E. GRIFFITHS, Director of Expense Control Headquarters Mfg. Division, Westinghouse Electric Corporation.

Plant Inspection Visits

Kropp Forge Co., 8:30 A.M. (See page 11), Tour #10

International Harvester (Melrose Pk. Wks.), 1:15 P.M. (See page 11), Tour #11

Electromotive Division (Gen. Motors Corp.), 1:15 P.M. (See page 11), Tour #12

Sears Roebuck & Company, (Merchandising, Testing & Development Labs.), 1:15 P.M. (See page 11), Tour #13

INDUSTRIAL CONFERENCES

TOOL ENGINEERING DAY

FRIDAY, MARCH 23

24. DESIGNING FOR TOMORROW'S COMPETITION

Room A—9:30 A.M.

(Cooperation can work—achieving cooperation among product designer, tool engineer, and inspection without sacrificing quality standards.)

Chairman: P. F. Dirksen, Mechanical Engineer, Weaver Mfg. Co. (Paper 24T44) "Measuring Productivity in Tool Design," by Prof. A. F. GOULD, Dept. of Industrial Engr., Lehigh University. (Paper 24T45) "Planning for Tomorrow's Gaging," by LEWIS O. HEINOLD, Manager, Automatic Control Engineering Dept., Federal Products Corp.

25. STANDARDS AND THE TOOL ENGINEER

Room B—10:30 A.M.

(The ASTE National Standards Committee outlines their new proposed standard on carbide tool tips and their thinking on standards for tool steels.)

Chairman: Cyril Ainsworth, Technical Director, American Standards Association.

(Paper 24T46) "ASTE-Recommended Carbide Tool Tip Standards," by W. H. SEACORD, Supervisor of Mfg. Standards Research International Harvester Company—Mfg. Research Dept.

(Paper 24T47) "The Need for Tool Steel Standards," by DR. G. A. ROBERTS, Vice President—Technology, Vanadium Alloys Steel Co.

26. TOOLING THE WORLD'S LARGEST PRESSES

Room C—1:30 P.M.

(What problems have the world's largest presses brought to the tool engineer? How were they solved? What problems remain to be solved? What about cast die possibilities?)

(Paper 24T48) "Tooling Problems for Utilization of Large Hydraulic Presses," by A. E. FAVRE, Chief Prod. Engr., Cleveland Forge Plant, Aluminum Company of America.

(Paper 24T49) "Tool Problems Peculiar to the Heavy Press Extrusion Industry," by H. J. ROSS, Production Mgr., Heavy Press Extrusion Plant, Kaiser Aluminum & Chemical Corporation.

27. LUBRICATION FOR THE TOOL ENGINEER

Room A—2:30 P.M.

(Lubricant problems of the tool engineer—how to avoid them—how to solve them—types of lubricants and their advantages and limitation—what's new in lubricants.)

Chairman: Wm. Kruck, Engineer, Metals Lubricants Company.

(Paper 24T51) "Soluble Oils and the Tool Engineer," by DR. R. K. GOULD and R. C. GIVENS, Technical Service Division, Research & Technical Department, The Texas Company. "Role of Cutting Fluids in Machinery Operations," will be presented by Dr. M. E. MERCHANT, Asst. Director Research, Cincinnati Milling Machine Co.

Plant Inspection Visits

Verson Allsteel Press Corp., 8:30 A.M. (See page 11), Tour #14