

- Development of the sugar industry. Lizzih A. Becnel, 1510 Arabella St., New Orleans, La. Numerous entries. Covers a period of 170 years. See also Lactose (Zoller); Maltose (Hoyt).
- Superphosphates:**  
See Phosphates (Marshall).
- Surface Tension:**  
Jessie Y. Cann, Smith College, Northampton, Mass. Entries by author. Abstracts included.
- Tanning:**  
See Leather (Rogers); Tannins (Kressmann).
- Tannins:**  
Tannins and the tanning industries. F. W. Kressmann. 3000 entries (318 typewritten pages), by author and subject. Up to 1911. Abstracts included. For consultation, write Forest Products Laboratory, Madison, Wis.
- Terpenes:**  
Terpenes, resins, turpentine, rosin, and their general chemistry. V. E. Grotlisch, Leather and Paper Laboratory, Bureau of Chemistry, Washington, D. C. 500 entries, by title and subject. 1914-date. Abstracts included in some cases. 75 per cent complete.
- Textiles:**  
See Chemistry (Mullin); Waterproofing (Fenn).
- Titanium:**  
J. F. Haskins, Ohio State University, Columbus, Ohio. 1300 entries, by author. 1789 (time of discovery) to 1921. Abstracts included. Nearly complete.
- Tobacco:**  
Chemistry and manufacture of tobacco. Paul Gross, Trinity College, Durham, N. C. Entries by author and subject. 1850-date (in chemistry); 1700-1919 (in manufacture). Abstracts included in a large portion of the chemistry section. Chemistry section about one-half complete.
- Turpentine:**  
See Naval Stores (Schorger); Terpenes (Grotlisch).
- Vanilla:**  
Vanilla extract. Arthur D. Little, Inc., Cambridge, Mass. 17 entries, by author.
- Vegetable Oils:**  
See Fats and Oils (Thurman).
- Viscosity:**  
Viscosimeters and viscosity (on oils). Charles A. Mann, University of Minnesota, Minneapolis, Minn. 200 entries, by author, title, and subject. Up to 1914. Very complete.  
Viscosity: (a) General, (b) Rubber solutions. G. D. Kratz, The Falls Rubber Co., Cuyahoga Falls, Ohio. Several hundred entries. 1900-1915. Abstracts in almost all cases.  
Viscosity (fluidity, plasticity, lubrication). Eugene C. Bingham, Lafayette College, Easton, Pa. 2000 entries, by author. 1500-1921. Complete as possible.
- Vitamins:**  
Walter H. Eddy, Teachers College, Columbia University, New York, N. Y. 800 entries, by author. 1906-1921. Fairly complete. Partially published in his "Vitamin Manual."  
J. F. McClendon, Medical School, University of Minnesota, Minneapolis, Minn.
- Volumetric Chemical Analysis:**  
Volumetric chemical analysis, including colorimetric, gasometric, and epimetric methods. Launcelot W. Andrews, Williamstown, Mass. 17,000 to 20,000 entries, by author, title, and subject. 1847-1914. 1914-date, fragmentary. Brief abstracts included.
- Water Glass:**  
See Sodium Silicate (Stericker).
- Waterproofing:**  
Waterproofing, mildewproofing, and fireproofing of cotton, linen, and burlap fabrics in the heavier weights. Herbert B. Fenn, Metakloth Co., Lodi, N. J. 1868-1920. Abstracts included in some cases. Far from complete.
- Water Softening:**  
See Zeolites (Bartow).
- Waters:**  
Hydrogen-ion concentration of natural waters. F. C. Mortensen, Coe College, Cedar Rapids, Iowa. Abstracts in preparation. Complete.
- Wheat:**  
Wheat milling and baking chemistry and chemical technology. C. H. Bailey, University Farm, St. Paul, Minn. Entries by author and subject. 1900-date. Abstracts included in one-third to one-half of the entries. Nearly complete.
- Wood:**  
The acid hydrolysis of wood. E. C. Sherrard, Forest Products Laboratory, Madison, Wis. 150 entries, by author and subject. 1819-date. Abstracts included. Incomplete. A part is to be published soon in a departmental bulletin.

**Wood Preservation:**

Wood preservation, with specific reference to protection against marine borers. Clarence J. West. 1000 entries, by author. Two-thirds complete. For consultation, write Committee on Marine Borer Investigation, National Research Council, Washington, D. C.

**Wood Tar:**

Wood tar and wood-tar oils. The Barrett Co., 40 Rector St., New York, N. Y. 128 entries, by author and subject. 1871-date. Abstracts included.

**Zein:**

Chemistry of zein. Arthur D. Little, Inc., Cambridge, Mass. 15 entries, by author.

**Zeolites:**

Use of zeolites in water softening. Edward Bartow and G. C. Baker, State University of Iowa, Iowa City, Iowa. 214 entries, by author. 1907-1921. Abstracts included. Practically complete.

## Making Chemistry a White Art

By H. W. Jordan

133 STOLF AVE., SYRACUSE, N. Y.

Advertising is a principle as fundamental as Kekule's benzol ring. It pays to advertise the AMERICAN CHEMICAL SOCIETY in order to destroy the popular notion that a chemist is a bald-headed, black-capped, back-room hermit, whose characteristic pose is that of looking for a precipitate in an old-fashioned, alembic glass retort filled with malt whiskey.

It was pretty generally noised about during 1917 and 1918 that it was a chemist's war. We admitted it. Now that peace rages, there is little said in the newspapers about its being a chemist's peace. Yet so far as peace is permitted to prevail by prime ministers and Congress, it is the peace of the chemist and engineer. Although the mark and rouble have fallen to ultramicroscopic value, and the price of food, fuel, and housing have grown to be measured almost in units of light years, the chemist produces a ton of pig iron with the same weight of coke and the engineer evaporates the same volume of water with a pound of coal as in 1914.

Since these things are so, why not let the public know it?

In arranging programs for this year, Local Sections of the AMERICAN CHEMICAL SOCIETY can do splendid service for the chemical profession by devoting a part of the lectures to subjects of common interest that will draw big general audiences to assemble with our technical selves. We can climb down from our high scientific niche for a noon hour or an evening to tell folks something of our valuable work in the essential industries of iron and steel, sugar, glass, or soap. We can show people the chemical side of laundry processes, of milk and its products, and of city sanitation. These topics, especially if illustrated, will draw scores where units now attend. At the same time, the lectures can be made as instructing to ourselves as though given before the usual section audience of a couple dozen chemical hardy perennials.

Lots of folks live on top of a thick coal vein, but if it doesn't crop out so that they stumble over it and blacken their hands, they never know the coal is there. Our one hundred million Americans live in a daily world of chemistry, yet only a tiny fraction of them realize it. People say, "Oh, he is a chemist, is he?" in much the same tone as they remark, "How natural he looks," at a funeral.

If we would have our achievements properly valued, we need spread them in the show windows to be admired and appreciated. Rotary Clubs, Chambers of Commerce, Commonweal Clubs, Women's Congresses, and dozens more, comb the country every winter for able speakers on any timely subject. If we expose our chemical orators to this raking, some of them will be joyfully gathered in as star attractions before crowds of business men and women. Thus, our profession of chemistry will get some of its share of deserved publicity. Incidentally, chemists will become more effective citizens.