

The experiments of Chapeville and Lipmann on the specificity of the mRNA for the tRNA and not the amino acid, in which cysteine tRNA was converted to alanine tRNA and incorporation of alanine at the cysteine site in hemoglobin was demonstrated, are fully explained by triplet complementarity. However, how tRNA recognizes the amino acid is a matter of speculation. Specificity of the aminoacyl synthetases would allow an explanation, but the observations of different specificities with enzymes from different sources and the apparent lack of specificity of tRNA's from different sources indicate that this is not the full explanation and also raise the question of the universality of the code.

ALEC SEHON

Department of Chemistry,  
McGill University, Montreal

## Forthcoming Events

### April

25-28. American Oil Chemists Soc., Houston, Tex. (C. W. Hoerr, Durkee Foods, 2333 Logan Blvd., Chicago, Ill.)

25-28. Southeastern Psychiatric Assoc., annual, Southern Pines, N.C. (H. Brackin, Jr., 1918 Church Ave., Nashville 3, Tenn.)

25-29. American Assoc. of Cereal Chemists, Kansas City, Mo. (E. J. Bass, Intern. Milling Co., Inc., 1423 S. 4th St., Minneapolis, Minn. 55404)

25-29. American Soc. for Microbiology, annual, Atlantic City, N.J. (R. W. Sarber, ASM, 115 Huron View Blvd., Ann Arbor, Mich.)

25-29. International College of Surgeons, North American Federation, Las Vegas, Nev. (Secretariat, 1516 Lake Shore Dr., Chicago, Ill. 60610)

26-27. European Days of Chemical Engineering, Paris, France. (Société de Chimie Industrielle, 28, rue St. Dominique, Paris 7)

26-27. Electroanesthesia, 2nd symp., Univ. of Tennessee, Knoxville. (C. E. Short, UT-AEC Agricultural Research Laboratory, 1299 Bethel Valley Rd., Oak Ridge, Tenn.)

26-27. Environmental Health Problems, 2nd AMA congr., Chicago, Ill. (Dept. of Environmental Health, AMA, 535 North Dearborn St., Chicago, Ill. 60610)

26-28. Error in Digital Computation, symp., Madison, Wis. (L. B. Rall, U.S. Army Mathematics Research Center, Univ. of Wisconsin, Madison 53706)

26-28. National Acad. of Sciences, 102nd annual, Washington, D.C. (Office of the Home Secretary, NAS, 2101 Constitution Ave., Washington 20418)

26-29. Aerospace Medical Assoc., 36th annual, New York, N.Y. (Gen. J. M. Talbot, Headquarters USAF, AFMSPA, Washington, D.C. 20333)

26-29. Mechanisms and Therapy of

Cardiac Arrhythmias, 14th Hahnemann symp., Philadelphia, Pa. (L. Dreifus, Dept. of Medicine, Hahnemann Medical College and Hospital, Philadelphia)

26-29. Society of Economic Paleontologists and Mineralogists, New Orleans, La. (D. M. Curtis, Shell Oil Co., Box 127, Metairie, La.)

26-29. American Assoc. of Petroleum Geologists, 39th annual, New Orleans, La. (G. Atwater, 424 Whitney Bldg., New Orleans)

26-29. American Physical Soc., Washington, D.C. (K. K. Darrow, APS, Columbia Univ., New York 10027)

26-1. Geodetic Uses of Satellites, conf., Athens, Greece. (Intern. Organizations Staff, Bureau of Intern. Commerce, U.S. Dept. of Commerce, Washington, D.C.)

28-30. Hypnosis and Psychosomatic Medicine, intern. congr., Paris, France. (H. C. Harding, 2050 NW Lovejoy, Portland 9, Ore.)

28-30. National Soc. for Prevention of Blindness, Houston, Tex. (J. W. Ferree, 16 E. 40 St., New York 10016)

28-1. Biometric Soc., Florida State Univ., Tallahassee. (E. L. LeClerg, 6804 40th Ave., University Park, Hyattsville, Md.)

28-1. American College Health Assoc., Miami Beach, Fla. (R. E. Boynton, 5518 Merrick Dr., Coral Gables, Fla.)

29-30. Space Navigation and Communications, natl., Houston, Tex. (P. Schrock, Inst. of Navigation, 711 14th St. NW, Washington, D.C. 20005)

29-30. Association for Symbolic Logic, Chicago, Ill. (T. Hailperin, Dept. of Mathematics, Lehigh Univ., Bethlehem, Pa. 18015)

29-31. Southwestern Assoc. of Naturalists, annual, New Orleans, La. (H. Dundee, Tulane Univ., New Orleans)

29-1. American Assoc. of Endodontists, Detroit, Mich. (E. C. Van Valey, 9 Rockefeller Plaza, New York 10020)

29-1. American Assoc. for History of Medicine, Philadelphia, Pa. (J. B. Blake, Natl. Library of Medicine, 9600 Wisconsin Ave., Bethesda, Md.)

29-1. American Acad. of Neurology, annual, Cleveland, Ohio. (AAN, 7100 France Ave. S., Minneapolis, Minn. 55410)

29-1. Midwestern Psychological Assoc., 27th annual, Chicago, Ill. (F. A. Mote, Psychology Bldg., Madison, Wis. 53706)

29-1. American Philosophical Assoc., western div., Chicago, Ill. (L. E. Hahn, Dept. of Philosophy, Southern Illinois Univ., Carbondale)

29-2. Association of Clinical Scientists, New York, N.Y. (R. P. MacFate, ACS, 300 N. State St., Chicago, Ill. 60610)

29-2. Pan American Medical Assoc., 40th annual congr., Grand Bahama Island. (PAMA, 745 Fifth Ave., New York 10022)

29-2. Roentgen, 46th German congr., Nuremberg, Germany. (A. Jakob, c/o Strahleninstitut der Stadt, Krankenhaus, Flurstr. 17, 85 Nuremberg)

30-1. Colorado-Wyoming Acad. of Science, annual, Univ. of Denver, Denver, Colo. (C. Norton, Dept. of Botany and Plant Pathology, Colorado State Univ., Fort Collins)

30-1. Indiana Acad. of Science, Culver. (C. F. Dineen, St. Mary's College, Notre Dame, Ind. 46556)

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30-1. Nebraska Acad. of Sciences, Lincoln. (C. B. Schultz, Morrill Hall 101, Univ. of Nebraska, 14th and U St., Lincoln 68508)

30-2. Society of **Biological Psychiatry**, New York, N.Y. (G. N. Thompson, 2010 Wilshire Blvd., Los Angeles, Calif.)

30-2. Academy of **Psychoanalysis**, annual, New York, N.Y. (A. H. Rifkin, 125 E. 65 St., New York 10021)

30-2. American **Psychosomatic Soc.**, annual, Philadelphia, Pa. (APS, 265 Nassau Rd., Roosevelt, N.Y. 11575)

30-3. American **Psychoanalytic Assoc.**, 52nd annual, New York, N.Y. (APA, 1 E. 57 St., New York 10022)

## May

1-2. Academy of **Psychoanalysis**, New York, N.Y. (A. H. Rifkin, AP, 125 E. 65 St., New York 10021)

1-2. American **Psychosomatic Soc.**, 22nd annual, Philadelphia, Pa. (E. Meyer, 265 Nassau Rd., Roosevelt, N.Y.)

1-4. Southern **Surgeons' Club**, 22nd annual, Louisville, Ky. (H. M. Carney, 619 Main St., Texarkana, Ark.-Tex.)

1-5. American Assoc. of **Medical Record Librarians**, Chicago, Ill. (Mrs. M. J. Waterstraat, 840 N. Lake Shore Dr., Chicago 60610)

1-6. American **Ceramic Soc.**, 67th annual, Philadelphia, Pa. (ACS, 4055 N. High St., Columbus, Ohio 43214)

2. American Federation for **Clinical Research**, Atlantic City, N.J. (J. E. Bryan, 2000 P St., NW, Washington, D.C. 20036)

2-5. American Assoc. of **Plastic Surgeons**, Boca Raton, Fla. (R. M. McCormack, 260 Crittenden Blvd., Rochester, N.Y. 14620)

2-6. **Southwestern and Rocky Mountain Div.**, AAAS, Flagstaff, Ariz. (M. G. Anderson, P.O. Box 97, University Park, N.M.)

2-6. **Arizona Acad. of Science**, Flagstaff. (H. B. Whitehurst, Arizona State Univ., Tempe)

2-6. **Student American Medical Assoc.**, 15th annual, Chicago, Ill. (SAMA, 333 N. Michigan Ave., Chicago 60601)

2-8. **Stereochemistry**, conf., Bürgenstock, Switzerland. (A. Dreiding, Organisch-Chemisches Inst., Universität Zurich, Rämistr. 76, Zurich 7, Switzerland)

2-8. **Endodontia**, 3rd intern. symp., Barcelona, Spain. (J. N. Ferrero, Intern. Soc. of Endodontia, Via Layetana, Tapineria 10, 2° Barcelona 2)

3-5. **Automation Theory**, congr., Paris, France. (Comité de la Théorie, Assoc. Française de Régulation et d'Automatisme, 19, rue Blanche, Paris 19°)

3-5. **Industrial Research Inst.**, Boca Raton, Fla. (The Institute, 100 Park Ave., New York 10017)

3-5. **Terrestrial Radioecology**, symp., Richland, Wash. (F. P. Hungate, Biology Dept., Battelle Memorial Inst., Pacific Northwest Laboratory, Richland 99352)

3-6. **Microbiology**, intern. congr., Parma, Italy. (The Congress, c/o Ente Provinciale per il Turismo, Piazza Duomo 5, Parma)

3-7. **Industrial Hygiene**, conf., Houston, Tex. (American Industrial Hygiene Assoc., 14125 Prevost, Detroit, Mich. 48227)

3-7. Molecular Basis of **Infectious Heredity**, U.S.-Japan cooperative science program seminar, Honolulu, Hawaii. (Office of Intern. Science Activities, National Science Foundation, Washington 25)

3-7. **Legal and Social Medicine**, intern. French-language congr., Coimbra, Portugal. (L. A. Duarte-Santos, Inst. de Medicina Legal de Coimbra)

3-7. American **Psychiatric Assoc.**, 121st annual, New York, N.Y. (APA, 1700 18th St., NW, Washington, D.C.)

3-15. **Psychotherapy Week**, 15th, Lindau, Germany. (Secretary, Adalbert Stifter-Str. 31, Munich 27, Germany)

3-18. **Energy Policy** in Developing Countries, seminar, Bréau, France. (P. de Seynes, United Nations, New York, N.Y.)

4-6. **Genetics Soc. of Canada**, annual, Banff, Alberta. (C. O. Person, Dept. of Genetics, Univ. of Alberta, Edmonton)

4-6. Society for **Pediatric Research**, Philadelphia, Pa. (W. B. Weil, Jr., J. H. Miller Health Center, Univ. of Florida, Gainesville)

4-7. **Rubber Chemistry and Technology**, rubber chemistry div., American Chemical Soc., Miami Beach, Fla. (G. N. Vacca, Bell Telephone Laboratories, Murray Hill, N.J.)

4-7. **Industrial Communications Assoc.**, 18th annual conf., Pittsburgh, Pa. (H. C. Granger, Pittsburgh Plate Glass Co., Pittsburgh 15222)

4-21. World **Health Assembly**, 18th annual, Geneva, Switzerland. (WHO, Palais des Nations, Geneva)

5. Association of American **Physicians**, annual, Atlantic City, N.J. (E. A. Stead, Jr., Duke Hospital, Durham, N.C.)

5-7. **Electronic Components**, conf., Washington, D.C. (B. Schwartz, IBM Components Div., Poughkeepsie, N.Y. 12602)

5-7. American Assoc. of **Genitourinary Surgeons**, Biloxi, Miss. (H. M. Spence, 4105 Live Oak, Dallas 21, Tex.)

5-7. **Microwave Theory and Techniques**, 10th symp., Clearwater, Fla. (J. E. Pippin, Sperry Microwave Electronics Co., Box 1828, Clearwater)

5-7. Society for **Experimental Stress Analysis**, spring natl. meeting, Denver, Colo. (D. H. Fietz, 70 Kalamath St., Denver 4)

5-8. **Programmed Instruction**, 3rd natl. conv., Philadelphia, Pa. (H. M. Shafer, Graduate School of Education, Univ. of Pennsylvania, Philadelphia 19104)

5-8. **Pulp and Paper Instrumentation**, 6th intern. symp., Instrument Soc. of America, Green Bay, Wis. (ISA, 530 William Penn Place, Pittsburgh 19, Pa.)

5-8. **Virginia Acad. of Science**, Richmond. (R. C. Berry, The Academy, P.O. Box 8203, Richmond)

5-9. **Laboratory Medicine**, congr., German Soc. of Specialists for Diagnostic Laboratories, Bad Kissingen. (W. Albath, 8700 Wurzburg, Katharinengasse 3, Germany)

6-7. Conference of **Biological Editors**, Philadelphia, Pa. (R. E. Gordon, Dept. of Biology, Univ. of Notre Dame, Notre Dame, Ind.)

6-7. **Cellulose**, 5th conf., State Univ. of New York, Syracuse. (Cellulose Research Inst., State Univ. College of Forestry, Syracuse Univ., Syracuse 13210)