

Gordon Research Conferences: Winter Program, 1979

Alexander M. Cruickshank

The Winter Gordon Research Conferences will be held 8 January to 9 February 1979 in Santa Barbara, California, at the Miramar Hotel.

Purpose. The Conferences were established to stimulate research in universities, research foundations, and industrial laboratories. This purpose is achieved by an informal type of meeting consisting of scheduled speakers and discussion groups. This type of meeting is a valuable means of disseminating information and ideas to an extent that could not be achieved through the usual channels of publication and presentation at scientific meetings. Sufficient time is available to stimulate informal discussion among members of each conference. In addition, scientists in related fields become acquainted and valuable associations are formed that often result in collaboration and cooperative efforts among laboratories.

Meetings are held in the morning and in the evening, Monday through Friday, with the exception of Friday evening. The afternoons are available for recreation, reading, or participation in discussion groups as the individual desires.

It is hoped that each conference will extend the frontiers of science by fostering a free and informal exchange of ideas among persons actively interested in the subject under discussion. The purpose of the program is to bring experts up to date on the latest developments, to analyze the significance of these developments, and to provide suggestions concerning the underlying theories and profitable methods of approach for scientific research. The review of known information is not desired.

In order to protect individual rights and promote discussion, it is an established requirement of each conference that no information presented is to be used without specific authorization of the individual making the contribution, whether in formal presentation or in dis-

cussion. The recording of lectures by tapes, and so forth, and the photography of slides are prohibited. Scientific publications are not prepared as emanating from the Conferences.

Registration and reservations. Attendance at the conference is by application. Applications must be submitted in duplicate on the standard application form which may be obtained from the office of the Director. This procedure is important because certain specific information is required in order that a fair and equitable decision on the application may be made. Attendance at each conference is limited to approximately 100 conferees. Only registered conferees are permitted in the meeting room.

The Director will submit the applications of those requesting permission to attend a conference to the committee for that conference. This committee will review the applications and select the members in an effort to distribute the attendance as widely as possible among the various institutions and laboratories represented by the applications. A registration card will be mailed to those selected and must be returned to our office 3 weeks prior to the conference date or the approved application will be voided. Advance registration by mail for each conference is required and is completed on receipt of the registration card and the deposit of \$30; or the approved applicant may prepay the full fixed fee prior to the conference. The advance deposit is not required from scientists arriving in the United States from foreign countries. Checks are to be made payable to the Gordon Research Conferences. The deposit will be credited against the fixed fee for the conference. *A registration card not accompanied by the deposit will not be accepted.*

The Board of Trustees of the Conferences has established a fixed fee of \$200 for all participants (speakers, discussion leaders, and conferees), covering registration, double room with bath, City of Santa Barbara room tax, and meals and services for five conference days. It will

not provide for telephone, taxi, laundry, conference photograph, or any other personal expenses. The fixed fee was established to encourage attendance for the entire conference and to increase the Special Fund which is available to each conference chairman for the purpose of assisting conferees who attend at total or partial personal expense with travel or subsistence expenses or both.

It is to the advantage of all participants to attend a Conference for the entire week. THE FIXED FEE WILL BE CHARGED REGARDLESS OF THE TIME A PARTICIPANT (SPEAKERS, DISCUSSION LEADERS, CONFEREES) ATTENDS THE CONFERENCE—THAT IS FOR THE PERIOD OF FROM 1 TO 4½ DAYS. It is divided as follows: registration fee \$50, room (double occupancy) and meals \$150 for five conference days. *An additional charge will be made for a single room if no double rooms or roommates are available.* These rooms will be assigned in the order that applications are received. An additional charge will be made for rooms occupied for more than five conference nights (Sunday through Thursday).

Guests. Accommodations are available for guests and for children 12 years of age and over. All such requests should be made at the time the conference application is submitted. The charge for rooms and meals for guests is \$150 for five conference days. A deposit of \$30 is required for each guest reservation. This deposit will be refunded if cancellation is received 2 weeks prior to the conference. *Guests are not permitted to attend the conference lectures and discussion groups.*

Special Fund. A special fund is provided from the registration fee and is made available to the chairman of each conference for the purpose of increasing the participation of research scientists who could not otherwise attend and participate because of financial limitations. Its use is not limited to speakers and discussion leaders, but may be granted to any registered conferee by the chairman. The money is to be used as an assistance fund only and may be used to contribute toward conferees' travel expenses, registration fee, and/or subsistence expenses at the conference location. Total travel and subsistence expenses usually will not be provided.

Cancellation. The conferee deposit is forfeited if an approved application is cancelled. This deposit is not transferable to another conference or conferee.

Membership. Requests for membership in the Conferences or for additional

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information should be addressed to: Dr. Alexander M. Cruickshank, Director, Gordon Research Conferences, Pastore Chemical Laboratory, University of Rhode Island, Kingston, Rhode Island 02881. Telephone: 401-783-4011.

Aging, Biology of

George M. Martin, chairman; James R. Florini, vice chairman.

Genetic and Evolutionary Aspects of Aging

22 January. Evolution of speciation (Vincent Sarich, chairman): Vincent Sarich, "Overview"; G. L. Bush (subject to be announced); Steven Stanley, "Speciation, sex and fossils"; James W. Valentine, "Patterns of environment and gene expression in speciation." Evolution of longevity (George A. Sacher, chairman): George A. Sacher, "Overview"; Robert May, "Evolution of population structures"; Marvin L. Jones, "Life spans of mammals"; William A. Calder, III, "Allometry and longevity in birds."

23 January. Comparative molecular gerontology I (Ronald W. Hart, chairman): Ronald W. Hart, "Overview"; Arthur G. Schwartz, "Comparative metabolic activation of chemical carcinogens producing DNA damage within the mammals"; Sohan Modak, "Comparative studies of *Mus musculus* and *Peromyscus leucopus* at the molecular level"; James D. Regan, "Comparative studies of DNA repair in mammals." Comparative molecular gerontology II (Bernard L. Strehler, chairman): Lawrence A. Loeb, "The replicative fidelity of DNA polymerases"; David Gershon, "Methionine sulfoxide reductase, post-translational modifications and enzyme function in aging animals"; Richard Cutler, "Comparative studies of superoxide dismutase in relationship to life span within the primates"; Jeoffrey Bada and Patricia Masters, "Comparative studies on racemization rates."

24 January. Genetic aspects of aging in *Drosophila* (Frederic A. Lints and George T. Baker, III, co-chairmen): Kenneth D. Tartoff and George Rudkin, "Overview"; Arnold M. Clark, "Mutations affecting the life span of *Drosophila melanogaster*"; Eric Kubli, "Transfer RNA in aging *Drosophila*: extent of aminoacylation and isoacceptor patterns"; Leonard Hayflick, "Humans are older than bristlecone pines." *Caenorhabditis elegans* as a model for the study of aging (David Hirsch, chairman): David Hirsch, "Overview"; Michael Klass, "Parameters affecting aging in the nematode"; David Mitchell, "Are there muta-

tions which affect longevity on *C. elegans*?" Henry Epstein, "Genetic regulation of muscle growth and development"; Samuel Ward, "The evolution of hermaphroditism in nematodes."

25 January. Genetic analysis of clonal senescence: nonvertebrate models (Joan Smith-Sonneborn, chairman): Tracy M. Sonneborn, "Hereditary differentiation of genomically identical nuclei in relation to clonal aging"; Joan Smith-Sonneborn, "Evidence for a mutational mechanism of clonal senescence in *Paramecium aurelia*"; David L. Nannay, "Genetic aspects of aging in tetrahymena"; Karl Esser, "Chromosomal and nonchromosomal elements regulating senescence in *Podospora anserina*"; Audrey Muggleton-Harris, "Role of nucleus and cytoplasm in clonal senescence: studies in amoeba and in human cells"; Joan Smith-Sonneborn, "Concluding remarks." Special lecture (George M. Martin, chairman): Stephen Jay Gould, "Aspects of ontogeny and phylogeny."

26 January. Genetic analysis of clonal senescence: vertebrate models (Thomas H. Norwood, chairman): Thomas H. Norwood, "Overview"; Gretchen Stein and Rosalind Yanishevsky, "Replicative behavior of vertebrate cells in heterokaryons"; James Smith, "Kinetic models of clonal senescence"; Thomas Kirkwood, "Senescence and malignant transformation"; Edward Schneider, "Induction of sister chromatid exchange in vitro and in vivo models of aging."

Agricultural Science

F. W. Slife, chairman; R. J. Patterson, vice chairman.

29 January. Resistance of pests to pesticides (Elliot Bergman, discussion leader): S. R. Radosovich, "Herbicide induced changes in weed populations"; D. D. Walgenbach, "Corn rootworm—soil insecticide interactions"; Elliot Bergman, "An appraisal of approaches to the discovery of new crop chemicals"; Michael Elliott, "Status of pyrethroid insecticides."

30 January. Overviews of pest management (R. J. Miller, discussion leader): P. L. Adkisson, "Integrated pest management: present status and future trends"; E. T. Cherry, "Integrated pest management—an industry viewpoint"; D. D. Kaufman, "Pesticide residues in soils."

31 January. Current issues in nitrogen fixation as related to plant production (R. J. Patterson, discussion leader): W. F. Hardy, "Broad agronomic and economic considerations for supplying nitrogen to

crops"; R. C. Valentine, "Genetic engineering aspects of nitrogen fixation"; H. V. Evans, "Energy efficiency in biological nitrogen fixation."

1 February. M. J. Plewa, "Maize as a monitor for possible mutagenic properties of pesticides"; Emanuel Epstein, "Untapped resources—saline environments and the genetic potential for salt tolerant crops"; J. R. Harlan, "Gene supply and demand."

2 February. O. C. Burnside, "The effect of reduced tillage systems on crop yields and the environment"; O. E. Heady, "Modeling for agricultural production and the environment."

Chemical and Biological Mechanisms in Response to Alcohol

Kenneth Blum, chairman; David Lester and Ernest Noble, co-vice chairmen.

5–9 February. Membrane effects of alcohols (David Ross, discussion leader). Neurochemical effects of alcohol (Boris Tabakoff, discussion leader). Electrophysiologic actions of ethanol (Floyd Bloom, discussion leader). Pharmacogenetics of alcohol (Richard Dietrich, discussion leader). Alcohol/aldehyde metabolizing enzyme systems (Charles Lieber, discussion leader). Endocrinological aspects of alcohol (Theodore Cicero, discussion leader). Isoquinoline alkaloids: role in alcohol actions (Gerald Cohen, discussion leader). Mechanisms of tolerance, dependence, and withdrawal (Dora Goldstein, discussion leader). Protein synthesis and biologically active neuropeptides (discussion leader to be announced).

CO₂ Fixation by Green Plants

Israel Zelitch, chairman; Clanton C. Black, vice chairman.

8 January. Control of photosynthesis in whole plants (S. C. Huber, discussion leader): R. H. Brown, "Influence of the CO₂ fixation pathway on water and nitrogen use efficiency"; A. L. Christy, "Canopy photosynthesis and yield in soybean." Photosynthesis, respiration, and yield (G. E. Edwards, discussion leader): D. T. Manning, "Chemical enhancement of crop photosynthesis: some approaches to compound screening"; R. J. Volk and W. A. Jackson, "Oxygen uptake and nitrate metabolism at subambient CO₂ levels in corn and soybean."

9 January. Translocation and photosynthesis (D. R. Geiger, discussion leader): J. C. Shannon, "Reproductive sinks

as regulators of carbon partitioning in maize"; R. T. Giaquinta, "Export and import physiology in relation to assimilate translocation." Biochemistry and regulation of photorespiration (D. J. Oliver, discussion leader): A. J. Keys, "Glycine decarboxylation, serine synthesis and photorespiration"; B. Grodzinski, "High rates of photorespiration—a biochemical interpretation."

10 January. Species with intermediate C₃-C₄ characteristics (W. M. Laetsch, discussion leader): B. Quebodeaux, "Oxygen effects on C₃, C₄ and intermediate species"; R. A. Kennedy, "Intermediate C₃-C₄ characteristics in the genus *Mollugo*." Regulation of starch synthesis and breakdown (E. Latzko, discussion leader): J. Preiss, "Chloroplastic enzymes involved in starch synthesis and breakdown"; D. A. Walker, "Regulation of starch synthesis and breakdown in chloroplasts."

11 January. Ribulose biphosphate carboxylase/oxygenase (J. A. Bassham, discussion leader): N.-H. Chua, "In vitro synthesis, transport and assembly of ribulose-1, 5-biphosphate carboxylase subunits"; R. Brändén, "Separation of ribulose-1, 5-biphosphate carboxylase and oxygenase activities." Round table discussion on the ribulose biphosphate carboxylase/oxygenase ratio in various systems (N. E. Tolbert, discussion leader): R. Brändén, B. Bravdo, F. C. Hartman, G. Lorimer, G. H. Schmid, and G. F. Wildner, participants.

12 January. Photosynthesis in chloroplasts and isolated cells (L. Anderson, discussion leader): M. Gibbs, "Regulation of the Warburg effect"; W. L. Ogren, "Chemical inhibition of photorespiratory metabolism in isolated soybean leaf cells." All participants in the conference will have an opportunity to present posters describing current research.

Crystal Growth

Charles S. Sahagian, chairman; Glenn W. Cullen, vice chairman.

15 January. Liquid phase epitaxy (Edward A. Giess, chairman): W. Van Erk, "Liquid phase epitaxy of garnets"; R. Ghez and M. B. Small, "Simulation of initiation of heteroepitaxy from the liquid phase for ternary III-V systems"; T. C. Harman, "Liquid phase epitaxy of mercury cadmium telluride." Growth of silicon (Ted F. Ciszek, chairman): D. Helmreich, "Directional casting of multigrain silicon"; W. Scott, "Comparison of solution and melt growth techniques for very heavily doped silicon."

16 January. Vapor growth and epitaxy

(Don W. Shaw, chairman): D. C. Flanders, "Oriented crystal growth on amorphous substrates using artificial surface relief gratings"; J. B. Theeten, "Real time determination of composition and structure of III-V layers during vapor phase epitaxial growth"; R. D. Dupuis, "Vapor phase growth of GaAlAs-GaAs heterojunction devices by metallorganic chemical vapor deposition." Growth of indium phosphide (Howard Lessoff, chairman): E. M. Swiggard, "Synthesis and bulk growth of indium phosphide"; N. P. Linh, "Organometallic growth of epitaxial indium phosphide."

17 January. Special topics (Michael Kestigian, chairman): H. C. Gatos, "Growth and characterization of GaAs—a general assessment"; S. Kamath, "Infinite solution technique for III-V compounds"; R. R. Galanska, "Growth and annealing of HgTe-creation and annihilation of impurity levels." Defects analysis and effects on devices (Pierre M. Petroff, chairman): J. R. Patel, "Structure and electrical behavior of planar and line defects in silicon"; P. D. Dapkus, "Characterization of polycrystalline GaAs for solar cell applications."

18 January. Fundamental phenomena and modeling (Robert F. Sekerka, chairman): L. O. Wilson, "The effect of fluctuating growth rates on segregation in crystals grown from the melt"; D. Schwabe, "Surface tensions driven flow—its importance and effects in crystal growth"; W. E. Langlois, "Computer modeling in Czochralski growth." Guest presentation: A. Mandell, "Symmetry: an emergent property of brain enzyme regulation, temporal lobe limbic inhibition, and personality."

19 January. Laser induced annealing and crystal growth (George A. Rozgonyi, chairman): F. W. Young, "Crystal growth aspects of laser annealing"; H. J. Leamy, "Microstructure of laser annealed semiconductors"; J. F. Gibbons, "Electronic device applications of laser annealing."

Deformation and Failure Mechanisms in Polymers and Composites

K. L. DeVries, chairman; John Halpin, vice chairman.

22 January. (Carl Zweben, chairman): John Gilman, "Glassy metal fiber composites"; Michael Wyzgoski, "Physical aging of ABS." (M. F. Kanninen, chairman): Kenneth Riefschneider, "Internal damage states in composite laminates: basic nature and methods of determina-

tion"; Sidney J. Green, "Mechanical response of plastics and composites under high pressure."

23 January. (Byron Pipes, chairman): Lawrence Bourland, "Predicting tensile strengths of fiber reinforced thermoplastics based on coefficients of friction and thermal expansion"; (speaker and subject to be announced). (J. Edmund Fitzgerald, chairman): James Whitney, "Failure criteria for notched composites"; Scott Beckwith, "Linear and non-linear viscoelastic characterization of composites."

24 January. (William Walker, chairman): Richard M. Christensen, "A theory of crack growth in organic materials and composites"; J. L. Koenig and H. Ishida, "Spectroscopic studies of the interface of glass fiber composites." (John Kardos, chairman): Clayton May, "Chemical and physical characterization techniques for composite matrix materials"; David Kaelble, "Polymer composite reliability."

25 January. (Alan Gent, chairman): Dusan Prevorsek, Y. D. Kwon, and R. K. Sharma, "Viscoelastic analysis of tire performance: role of tire construction variables and properties of the component"; (speaker and subject to be announced). (Edward Wu, chairman): Short talks on current research topics.

26 January. (Frank Koblitz, chairman): Gregory McKenna, "Damage and failure criteria for glassy and semi-crystalline polymers"; John Powers, "Wear of dental composite resins."

There will also be two poster sessions on research applied to uses of automotive and advanced composites.

Electrochemistry

Ralph J. Brodd, chairman; Donald E. Smith, vice chairman.

8 January. Larry R. Faulkner, "Electrochemistry at unconventional thin film electrodes"; Fred Anson, "Surface properties of metal electrodes"; Dennis H. Evans, "Some examples of the effects of surface and solution properties on organic electrodes reactions"; Duane L. Barney, "Advances in lithium/metal sulfide batteries."

9 January. George Blomgren, "A theory of ion pairing in lithium organic electrolyte batteries"; Gerhard L. Holleck, "Selected chemical and electrochemical aspects of Li/SOCl₂." Open session.

10 January. Ernest Yeager, "Surface properties of electrodes and their relation to electrochemical reaction rates"; Rolf H. Muller, "Anodic film formation phenomena on metal surfaces, transient

ellipsometry combined with electron-optical, electron-spectroscopic and ion-etching techniques"; P. N. Ross, Jr., "Surface properties of electrodes"; J. D. H. McIntyre, "Electrocatalysis by adsorbed metals."

11 January. Adam Heller, "Photoelectrochemical conversion"; Mark Wrighton, "Photoelectrochemical process at semiconductor/liquid junctions"; C. Andrew L. Bassett, "Pulsing electromagnetic fields, a new approach to biological membranes and medical therapeutics"; A. J. Hopfinger, "A model for the structures of ionomeric membranes: applications to Nafion[®] separators."

12 January. R. A. Huggins, "Solid state ionic conductors"; Y. Oda, "Conductors processes in glasses."

Hormone Action

Gerald C. Mueller, chairman; Gordon Gill, co-chairman, Anthony Means, vice chairman.

29 January. Properties of steroid receptors (Jack Gorski, chairman): Angelo Notides, "Molecular mechanisms of estrogen receptor activation"; William Schrader, "Structural studies of progesterone receptors"; William Pratt, "Role of phosphorylation in steroid binding by glucocorticoid receptors." Stereochemistry of steroid-receptor interactions (Etienne Baulieu, chairman): J. P. Raynaud, "Steroid congeners for receptor studies"; William Duax, "Steroid conformation, receptor binding, and activity."

30 January. Molecular biology of hormone receptor mediated responses (Brad Thompson, chairman): Robert Goldberger, "Estrogen induction of vitellogenin synthesis"; Bert O'Malley, "Structure and the regulation of expression of the ovalbumin gene"; John Baxter, "Structure, regulation in cultured cells and expression in bacteria of the growth hormone gene." Developing frontiers in molecular biology and endocrine research (Bert O'Malley, chairman): Abraham Worcel, "Higher order in chromatin structure"; Arthur Riggs, "Hormone expression in plasmids."

31 January. Peptide hormones: synthesis, processing and action (Anthony Means, chairman): James Roberts, "Synthesis and processing of the ACTH/ β -endorphin precursor protein and its hormonal regulation"; Stanley Cohen, "Epidermal growth factor—action and interaction with cells"; Fred Butcher, "Calcium binding proteins in hormone action." Membrane mechanisms and hormone action (Kevin Catt, chairman):

Robert Gorman, "Regulation of human fibroblast cyclic AMP content by prostacyclin (PGI₂) and thromboxane A₂"; Garth Nicolson, "New aspects of membrane structure and function."

1 February. Cyclic nucleotide action and membrane responses (Gordon Gill, chairman): Fereid Murad, "Properties and regulation of guanylate cyclase and cyclic GMP"; Alfred Gilman, "Resolution and reconstitution of some components of catecholamine-sensitive adenylyl cyclase"; Jackie Corbin, "Cyclic AMP and cyclic GMP receptors." Newer systems for endocrine action studies (J. Clark, chairman): William Timberlake, "Steroid hormone action in the aquatic fungus *Achlya ambisexualis*"; Etienne Baulieu, "Extranuclear actions of progesterone in egg maturation."

2 February. Role of hormones in proliferation of normal and cancer cells (Gerald C. Mueller, chairman): Gordon Gill, "Regulation of growth and differentiated function of adrenocortical cells in culture"; D. Gospodarowicz, "Control of growth in mammalian cells by epidermal and fibroblast growth factors"; Raymond Erickson, "Protein kinases, cAMP and transforming genes."

Isotopes, Chemistry and Physics of

Samuel Epstein, chairman; Richard L. Schowen, vice chairman.

This conference in the past has been primarily devoted to stable isotope effects in physical, organic, and inorganic chemistry. To broaden the base of the conference we have arranged for the participation of scientists interested in the applications of stable isotopes to other disciplines as well. Consequently, we anticipate that this conference will appeal to researchers in such fields as biology, medical research, organic geochemistry, isotope geochemistry, and climatology, among others. Presentation of new results using isotopes are invited. We have scheduled two sessions, under the title of "Current Events," to accommodate these reports. In addition, facilities will be provided for the display and discussion of posters. Those interested in presenting either short papers in the "Current Events" sessions or posters are encouraged to contact the Chairman of the Conference at the Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, California 91125.

5 February. Physical chemistry of isotope effects (Max Wolfsberg, chairman). Isotope effects and organic reaction mechanisms (V. J. Shiner, chairman).

6 February. Isotope effects in natural organic systems: organic geochemistry (John M. Hayes, chairman). Current events (Victor P. Vitullo, chairman).

7 February. Isotope separation using lasers (C. Bradley Moore, chairman). Climatology and isotope geochemistry (Michael J. DeNiro, chairman).

8 February. Proton, hydride, and hydrogen atom transfer (Maurice Kreevoy, chairman). New horizons for compounds highly enriched in rare stable isotopes: applications in geochemical cycling, meteorology, pharmacology, etc. (Nicholas A. Matwiyoff, chairman).

9 February. Current events (Samuel Epstein, chairman).

Polymers

W. S. Zimmt, chairman; Thor Smith, vice chairman.

15 January. (William J. MacKnight, discussion leader): Shaul Aharoni, "Instantaneous shape and segmental density of flexible linear macromolecules"; H. Benoit (subject to be announced). Jerry Seiner, discussion leader): K. F. O'Driscoll, "Free radical polymerization kinetics revisited."

16 January. (Roger Porter, discussion leader): Isaac C. Sanchez, "Statistical thermodynamics of oligomeric and polymeric blends"; Hershel Markovitz, "What are elasticity? The meaning of elasticity in polymer fluids." (S. Elaine B. Petrie, discussion leader): Alexander Blumstein, "Mesomorphic order in polymers and polymerization in liquid-crystalline media."

17 January. (Willard McDonald, discussion leader): Charles U. Pittman, "The role of polymer supports in reactions catalyzed by immobilized homogeneous catalysts"; John K. Stille, "Polyquinolines: synthesis, properties, and crosslinking reactions." (Paul Meakin, discussion leader): J. C. W. Chien, "The effect of polymer bound metal ions on the pyrolysis, oxidative pyrolysis and flammability of polypropylene and polyisoprene."

18 January. (J. R. Knox, discussion leader): A. D. English, "Multiple pulse NMR of solid polymers"; J. L. Koenig, "Spectroscopic studies of the amorphous phase." (W. S. Zimmt, discussion leader): George O. E. Lof, "The possibility of polymers in solar heating."

19 January. (Thor Smith, discussion leader): H. Van Oehne, "Photodegradation and stabilization of acrylic-urethane and acrylic melamine films"; M. A. Golub, "Photosensitized oxidation of unsaturated polymers."

GORDON RESEARCH CONFERENCES

"FRONTIERS OF SCIENCE"

APPLICATION

Please complete this application and mail (in duplicate)
to the Director.

DO NOT SEND DEPOSIT WITH THIS APPLICATION

Office Use Only:

Received: _____
Sent to Chairman: _____
Waiting List Letter: _____
Registration Mailed: _____
Registration Returned: _____

Conference on _____ Date: _____
(Name of Conference — Please Print)

Name: (Please Print) _____ Location _____

Organization: _____

Business Address: _____

(inc. dept., street & no.) _____

City and State: _____

Zip Code _____

Applicant _____

Spouse _____

Child(ren) _____

Total _____

Accommodations at the Host site are requested for:

(Children must be at least 12 years of age. State name and age of each child requiring accommodations.)

(name) (age) (name) (age) (name) (age)

IMPORTANT

Indicate your particular activities which justify favorable consideration of you as a participant in and contributor to this Conference. (Not required of speakers.) Applications are referred to the Conference Committee for review in accordance with the established regulations, and this information is essential.

New Hampshire

FIXED CONFERENCE FEES - 1979

California

*Resident Fee: \$185 includes \$50 registration, room, and meals.

*Non-resident Fee: \$150 includes \$50 registration fee and meals.

Guest: \$135 for room, meals

Deposit: \$30 is required of all participants and guests.

*Resident Fee: \$200 includes \$50 registration, room, and meals.

Guest: \$150 for room, meals.

Deposit: \$30 is required of all participants and guests.

1. Full fixed fee charged regardless of time conferee attends Conference. Please note detail of fees.

2. *Fixed fees cannot be prorated or reduced for anyone (speakers, discussion leaders, conferees).

3. Non-resident Conferees are expected to eat all meals in the Conference Dining Room and, therefore, the Fixed Fee for non-residents includes the full meal charge.

Please return to:

Dr. Alexander M. Cruickshank, Director
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Pastore Chemical Laboratory
University of Rhode Island
Kingston, Rhode Island 02881 Tel: (401) 783-4011

The recording of lectures by tapes, etc. and the photography of slide material are prohibited. Printed reference to Gordon Research Conference papers and discussion is not permitted. Authors are requested to omit references to the Conference in any publication. Guests are not permitted to attend the conference lectures and discussion sessions. Each member of the Conference agrees to these regulations when registration is accepted.

Signature _____

Date _____

Telephone: Business _____

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Office — Summer Schedule

Colby-Sawyer College
New London, N.H. 03257
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RECEIPT OF THIS APPLICATION WILL NOT BE ACKNOWLEDGED