

## Fourth Berkeley Meeting

Additional program notes, housing,  
and transportation for the Berkeley meeting.

Raymond L. Taylor

The preliminary announcement of the fourth Berkeley meeting of the AAAS, to be held 26–31 December 1965 [*Science* **148**, 1116 (21 May 1965)], was principally an outline of the many sessions of the 20 AAAS sections and of some 90 participating organizations. It was apparent that this year's second national AAAS meeting west of the Rockies, on the compact campus of the University of California, not only will be well balanced in its coverage—with every principal field of science well represented—but also that the programs, including the special sessions, will be particularly attractive.

Virtually all the sessions will be in classroom buildings close to the ASUC Student Center at the Telegraph Avenue or Sather Gate entrance to the campus. The Center and the Dining Commons adjacent to it will be the focus and general meeting place before and after sessions, and for visits to the exhibits and Science Theatre, between papers, reading of messages, and the like.

Two of the three hotels and the new Residence Halls of the University are within a short walking distance of the campus, so that the meeting will be a convenient one.

One important purpose of this release on the Berkeley meeting is to outline the arrangements for housing. It has been customary, however, to add supplemental program notes that may have become available since the preliminary announcement. The sequence is the same as in that announcement.

### Special Sessions

*26 December, evening.* AAAS board chairman and retiring president, Laurence M. Gould, will preside at the general session "Moving Frontiers of Science," part I, at which F. Clark

Howell (visiting professor of Anthropology, University of California, Berkeley) will give the first address. The other speaker of the evening will be Norman F. Ness (assistant head for Fields and Plasmas, Space Sciences Division, National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland). His topic will be "A new look at the earth's magnetic field."

*27 December, late afternoon.* Harvey E. White (director of the Lawrence Hall of Science, University of California, Berkeley) in the new Physical Sciences Lecture Hall, will give an illustrated lecture on this splendid, unusual Center in Science Education now under construction.

*27 December, evening.* The subject of the AAAS Distinguished Lecture by George W. Beadle (president, University of Chicago) will be "Genetics and cultural change." AAAS board member H. Bentley Glass will preside.

*28 December, afternoon.* AAAS board member John A. Wheeler will preside at part II of "Moving Frontiers of Science" at which Jerome Y. Lettvin (Massachusetts Institute of Technology) will speak first on "The physiological basis of mental activity." The general topic of the other speaker, William M. Fairbank (Stanford University), will be Some Aspects of Low Temperature Physics.

AAAS board member John W. Gardner will preside at the Sixth George Sarton Memorial Lecture, sponsored by the George Sarton Memorial Foundation. This special session is scheduled to follow the "Moving Frontiers" lectures on the afternoon of 28 December.

*29 December, late afternoon.* Harvey E. White will repeat his illustrated lecture on the Lawrence Hall of Science, so that the general attendance may have a second opportunity to hear about this exceptional facility.

*29 December, evening.* AAAS president-elect Alfred S. Romer will preside at the annual joint address of the Society of the Sigma Xi and the United Chapters of Phi Beta Kappa. The speaker will be J. Bronowski (deputy director, Salk Institute for Biological Studies, San Diego, California).

*30 December, evening.* The annual illustrated lecture and film of the National Geographic Society will be chaired by AAAS board member Athelstan F. Spilhaus.

### AAAS Interdisciplinary Symposia

Plans for all five of the Association's interdisciplinary symposia, concurrent the morning of 28 December, are progressing well.

Part I of the two-session symposium, Proteins and Nucleic Acids, arranged by Wendell M. Stanley, will be given on 27 December.

"Behavior, Brain, and Biochemistry," arranged by David Krech, has been expanded to two sessions. Part I, subtitled "Behavior, Brain, and RNA," is scheduled for the morning of 27 December so that it will in no way conflict with Part I of "Proteins and Nucleic Acids" that afternoon. (Indeed, the way will be clear for any "ribonucleic acid buff" to attend both of the parts of these two symposia that deal with DNA and RNA.)

Speakers who have already accepted for "Behavior, Brain, and RNA" are: Bernard W. Agranoff, Roger E. Davis, and John J. Brink (University of Michigan); Stanley Batkin (Hawaii Permanente Medical Group); J. Anthony Deutsch (New York University); Henry Mahler and Walter J. Moore (Indiana University); N. Plotnikoff, A. J. Glasky, and L. Simon (Abbott Laboratories and Illinois State Pediatric Institute); V. J. Polidora (University of Wisconsin); and J. Zemp, J. Wilson, K. Schlesinger, and E. Glassman (University of North Carolina). The discussant will be Eugene Roberts (City of Hope Medical Center); discussion from the floor is also planned.

Part II, entitled "Behavior, Brain Anatomy, ACh, and Other Chemical Mediators," will be held the morning of 28 December. Speakers already selected include: Joseph Altman (Massachusetts Institute of Technology); Edward L. Bennett, Marian C. Diamond, David Krech, and M. R. Rosen-

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zweig (University of California, Berkeley); Peter L. Carlton (Rutgers University); Paul D. Coleman (University of Maryland School of Medicine); Guy N. Everett (Abbott Laboratories); Edward Geller, Arthur Yuwiler, and James F. Zolman (Neurobiochemistry Laboratory, Veterans Administration Center, and Department of Psychiatry, University of California, Los Angeles, Center for the Health Sciences); Lewis Petrinoich and Edward M. Eisenstein (State University of New York, Stony Brook); Gordon T. Pryor (Stanford Research Institute); and Thomas H. Roderick, Cynthia C. Wimer, and Richard E. Wimer (Jackson Laboratory, Bar Harbor, Maine). The discussant will be Mark R. Rosenzweig (University of California, Berkeley).

The interdisciplinary symposium, "Materials Science in Medicine, Dentistry, and Pharmacy," is being arranged by Peter M. Margetis (director, U.S. Army Biomedical Research Laboratory, Walter Reed Army Medical Center, Washington, D.C.).

## Sectional and Society Programs

**Mathematics (A).** The *Association for Computing Machinery* will have two sessions of invited papers on 30 December. The morning session, "Applications of Computers to Natural Language Translation," will be arranged and chaired by Anthony Oettinger (Harvard University). The afternoon session will be "New Developments for the Use of Computers in Scientific Computation, with Particular Emphasis on On-Line Systems," arranged by Harry Huskey (Computing Center, University of California, Berkeley), who will preside. It will consist of at least two lectures and a demonstration of an on-line system using television.

**Astronomy (D).** The Helen B. Warner Prize Lecture of the *American Astronomical Society* will be given by George W. Preston (Lick Observatory, University of California, Mount Hamilton).

**Zoological Sciences (F).** In addition to the full program of a two-session

symposium and five sessions for contributed papers, the *Animal Behavior Society* has added a half-day session on the teaching of animal behavior, to be arranged by J. D. Cunningham (University of California, Berkeley).

More details are available on the two-part symposium, "Recent Findings in the Experimental Analysis of Aggression," arranged by John A. King (Michigan State University), who will chair the sessions, and Roger E. Ulrich (now at Western Michigan University), sponsored by the Animal Behavior Society and cosponsored by the Section of Animal Behavior and Sociobiology, Ecological Society of America; the Division of Animal Behavior, American Society of Zoologists; and by the AAAS section on Psychology (I).

Speakers and their titles are: Irenaus Eibel-Eibesfeldt (Max-Planck Institute), Ritualized Fighting Behavior; Frank Bronson (Jackson Laboratories), Some Physiological Effects of Fighting Behavior in Rodents; Roger Ulrich, Pain as a Cause of Aggression; Travis



Residence Halls on Berkeley campus. [UCLA, Berkeley]

Table 1. Round-trip fare to Oakland or San Francisco from:

	Chicago	Washington, D.C.	New York
<b>By bus</b> (meals extra)	Time: 55 hours \$ 97.90	Time: 75 hours \$139.50	Time: 73 hours \$146.15
<b>By rail</b> (meals extra)	Time: 2 days, 1 night	Time: 2 days, 2 nights	Time: 2 days 2 nights
Reclining seat coach	\$115.15	\$163.95	\$187.93
First class	\$139.95	\$234.66	\$267.55
Roomette	67.60	90.80	100.82
	<u>\$207.55</u>	<u>\$325.46</u>	<u>\$368.37</u>
<b>By plane</b> nonstop (meals included)	Time: 4 hours	Time: 5¼ hours	Time: 5½ hours
Coach	\$210.90	\$274.50	\$290.20
+ 5% tax	10.55	13.73	14.51
	<u>\$221.45</u>	<u>\$288.23</u>	<u>\$304.71</u>
First class	\$233.10	\$305.50	\$321.80
+ 5% tax	11.66	15.28	16.09
	<u>\$244.76</u>	<u>\$320.78</u>	<u>\$337.89</u>

Thompson (University of Minnesota Medical School), Conditioned and Unconditioned Aggression in the Siamese Fighting Fish; Jose M. R. Delgado (Yale University School of Medicine), Evoking and Inhibiting Aggressive Behavior by Radio Stimulation in Monkey Colonies; and John P. Scott (Bowling Green University), Aggression: A Review.

**Biological Sciences (FG).** The *Western Society of Naturalists*, in addition to multiple sessions for contributed papers and the symposium "Polar Lore Since Fifty-four," has added a second two-session symposium, "Bays and Marshes: A Unique Environment," 27 December. It will be cosponsored by the *American Society of Limnology and Oceanography*.

**Psychology (I).** The third symposium of the section on Psychology (I) will be "Research on the Modification of Deviant Behavior in Children," arranged by Leonard Krasner (State University of New York, Stony Brook).

**Medical Sciences (N).** The section on Medical Sciences (N) has added a panel on Genetic Coding, arranged by Henry Lardy (Enzyme Institute, University of Wisconsin), the evening of 29 December. The principal speakers and their topics will be Marshall Nirenberg (National Institutes of Health), Advances in Our Understanding of the Genetic Code; and Gobind Khorana (Enzyme Institute, University of Wisconsin), Poly-Nucleotide Synthesis and the Genetic Code; there will be discussants and a participating moderator.

The two-day symposium of the section on Medical Sciences (N), "Mode of Action of Steroid Hormones," arranged by Henry Lardy, will

have five parts over the 2 days, 29 and 30 December: Glucocorticoids; Aldosterone; Estrogens; Androgens; and Progesterational Agents.

The participants and their topics in the symposium, "Oögenesis and Early Embryonic Development," arranged by Ray M. Iverson (University of Miami) and Robert E. Smith (School of Medicine, University of California, Los Angeles) for the *American Physiological Society* will be: Frank Moyer (University of Illinois), Electron Microscope Studies on Gametogenesis and Embryonic Development of Tunicates and Echinoderms; R. G. Kessel (University of Iowa), Ultrastructure during Maturation of Gametes and Early Embryonic Development of a Tunicate, Insects, Crayfish, and Amphibians; Kirby D. Smith (Johns Hopkins University), Ultrastructure and Synthesis of Proteins and Nucleic Acids during Gametogenesis and Early Embryonic Development of the Tunicate, *Ascidia niger*; and J. S. Clegg (University of Miami), Biochemistry of the Developing Embryo of the Crustacean, *Artemia salina*. This symposium is scheduled for afternoon, 28 December.

**Pharmaceutical Sciences (Np).** A feature of the program of the section on Pharmaceutical Sciences (Np), in addition to the details already announced, will be the Section Np Distinguished Lecture by Bernard B. Brodie (National Institutes of Health), "Biochemical aspects of mental disease," to be presented the afternoon of 30 December.

**Science in General (X).** The 19th Annual Junior Scientists Assembly, sponsored by the Academy Conference for selected high school students in

science from the entire San Francisco Bay Area, will be held the morning of 31 December in the Physical Sciences Lecture Hall. The committee in charge consists of Robert A. Rice (assistant to the director, Lawrence Hall of Science), chairman; Eugene Roberts (Polytechnic High School); and Nathan Fiefer (San Francisco State College).

## Housing

On facing pages in the advertising section of this issue of *Science*—appearing for the first time this year but to be repeated at frequent intervals for the balance of 1965—are two AAAS "house ads," each with a coupon at the bottom. One of these coupons is for **advance registration** and/or an order for the *General Program*; that coupon should be sent to the AAAS Office in Washington, D.C.

The other page announcement presents the variety of sleeping accommodations available in Berkeley; it has a coupon to be used in applying for a reservation for a room in a hotel, a motel, or in the luxurious new Residence Halls of the University of California. **All reservations for any type of accommodations must be mailed directly to the AAAS Housing Bureau, Post Office Box 210, Berkeley, California 94701.** It is essential that the application for the room reservation be *mailed* because the coupon, or a close copy thereof, is necessary to show that the applicant plans to attend the AAAS meeting at a special convention rate. If the application is for a hotel or motel room, a small deposit (quite customary in California) of \$5.00 per person is required. The deposit is credited to the hotel bill and is entirely refundable if a room reservation should be cancelled not later than ten days prior to the arrival date stated. Checks for deposits should be made payable to the "AAAS Housing Bureau."

Dating the housing application coupon is a good idea since all applications are carefully filled in the order of their receipt. All applications for room reservations will be accepted and processed promptly. A confirmation will be sent within 2 weeks. Those who apply early are more likely to receive their first choice of accommodations.

**Residence Halls.** Since this year's meeting is on a campus, the Univer-

sity's new Residence Halls, located one short block from the southern edge of campus, not only are appropriate and particularly convenient but they are decided bargains in combined lodging and meals. Use of the Residence Halls is a privilege that only a University-centered, scientific or educational conference may have. Since it is assumed that a majority of the attendance from out-of-town will choose to stay in these modern, well-constructed structures, they are described first.

Attractive in decor, the reception rooms, halls, and individual bedrooms are also spacious and well furnished. Closets, which may contain student possessions, are locked, but special multiple garment-holders are fastened on each door.

Each room has twin beds but is available for single occupancy if desired.

With two in a room, the daily rate per person is \$6.50 without meals, \$7.50 with both breakfast and luncheon included. With one person in a room, the daily rate is \$7.50 without meals and \$8.50 with breakfast and luncheon. Since no meals can be served 31 December, the special rate for the night of 30 December would be \$5.00 each, double; \$6.00, single.

Couples and children not under 14

may occupy rooms. Families can have adjacent (but not interconnecting) rooms. Members of a participating society, if they book largely at the same time, or if a definite number of rooms is contracted for, can all be housed together in a portion of the same unit.

Though there are no private baths, there are quite adequate facilities on each floor. Beds are made, rooms cleaned, and waste baskets emptied by the maid service. Although the university's linen is not changed after one moves in (because of the brevity of the meeting), fresh or additional towels are available.

There are many mechanical conveniences, such as coin operated washers and dryers and vending machines for coffee, milk, candy, fresh fruit, sandwiches, pastry, cigarettes—and, also, stamps and newspapers.

Change may be obtained at the switchboard in each unit which will be open daily from 8 a.m. to 10:30 p.m. for incoming calls and distribution of mail—a convenience and service not found at many campus meetings. Pay telephones for outgoing calls are conveniently located.

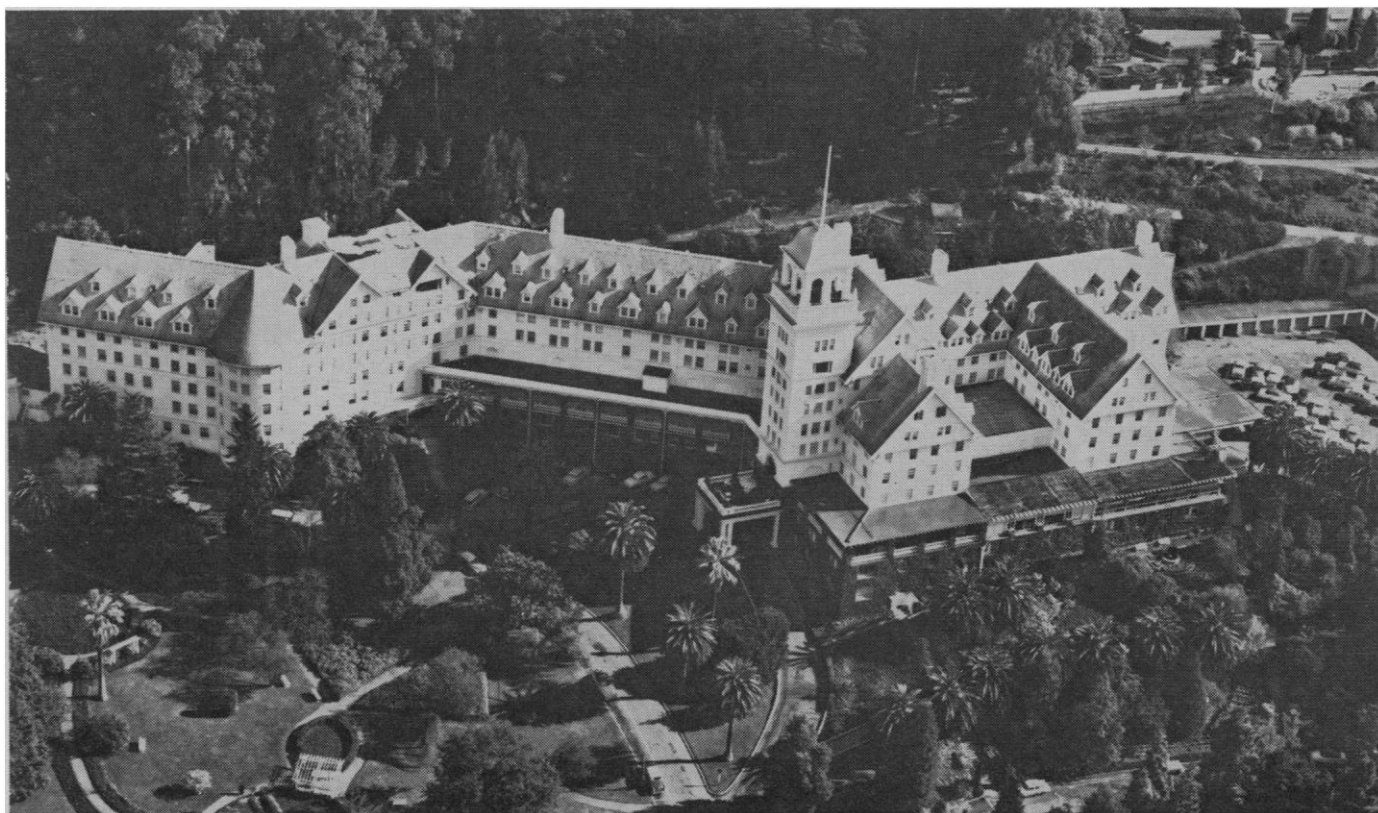
The Residence Hall reservation deadline date is 10 December (so that staff and supplies can be scheduled). After confirmation of a Residence Hall room,

actual registration or assignment upon arrival in Berkeley will be at the Hall between 8 a.m. and 10:30 p.m., 26–28 December, inclusive. Total charges for room, with or without meals, are collected at the time of registration; thereafter, no refund for partial rent or meals is possible. Parking is 50¢ per day and includes overnight parking in lots nearby. Attendees not staying in the Halls may park, *but in daytime only*; the fee is 50¢.

There is no check-out time for guests, since they will have paid in advance at the time of registration. Room keys are left at the lobby desk upon departure.

**Hotels.** The three Berkeley hotels which are cooperating with the AAAS and which are recommended will be described briefly. As is customary, all hotels require a deposit to be sent with the reservation application coupon to the AAAS Housing Bureau in Berkeley. (Checks should be made payable to "AAAS Housing Bureau.") This deposit of \$5.00 per person is credited toward the hotel bill, and it is refundable if the reservation should be cancelled *not later than ten days before arrival date*.

**Claremont** (Ashby Avenue-Tunnel Road and Claremont Avenue) (300 rooms). A resort-type of hotel in 20-



Claremont Hotel, Berkeley, California. [Clyde Sunderland, Oakland, California]

acre, beautifully landscaped setting. Magnificent view of San Francisco Bay Area and Golden Gate. Shops, bar, and cocktail lounge. About 1 mile—uphill—from the central part of the campus where the AAAS meeting is located, so that a car is a decided convenience. Some taxis are available, and one of Hertz rental car offices is located at the hotel. Outdoor parking is free for all guests.

*Durant* (Southeast corner of Durant Avenue and Bowditch Street) (200 rooms). Closest to campus entrance, Telegraph Avenue and Bancroft Way, and one short block to southern edge of campus. Cocktail lounge. Two blocks from most kinds of shops. Parking: lot, 50¢ per night; garage, \$1.00.

In addition to the regular singles and doubles listed in the "house ad" announcement, there is a limited number of rooms with a connecting shower, in pairs with twin beds in one room and a double bed in the other. The rate for these rooms is \$5.50, single occupancy; double \$7.50.

*Shattuck* (Shattuck Avenue at Allston Way) (250 rooms). In downtown area, one block from the western entrance of the campus, or about four blocks from the ASUC Student Center. No bar or cocktail lounge, but liquor available for functions or by room service. Public parking lots nearby.

**Motels.** The motels named in the announcement are the larger ones in Berkeley. The number in parentheses indicates the number of units. There are other excellent but smaller motels. Most of the motels are on University Avenue and, by bus or car, are about 5 to 15 minutes from the campus. Parking free for guests.

### Transportation from the East

In time or in cost, a trip to California from an eastern city is not much more costly nor time-consuming than a *round trip* from the East to a Midwestern city. If one can make two shorter trips per year, he can afford to visit California! For years Californians who attend scientific meetings in the East have reminded their colleagues that it is no further from New York to San Francisco than it is from the Golden Gate to the Narrows between Brooklyn and Staten Island!

San Francisco and Oakland, on the

east side of the Bay, are served at frequent intervals by major transcontinental air lines—American, United, TWA, and, also Delta. San Francisco has more flights, but Oakland may be particularly convenient for passengers who leave from, or transfer at, Chicago. The fare is the same to either city for any class of transportation (see Table 1).

Berkeley has a heliport which can be reached by helicopter from either San Francisco or Oakland airport. Time about 12 or 8 minutes, respectively. Fare purchased locally, \$9.00 or \$7.50, respectively, but if part of entire ticket, about \$5.00. (Taxi fare from heliport uptown is about \$2.00.) Some of the hotels and motels now have telephones at the heliport and operate courtesy cars.

There are airport limousines that travel from the San Francisco airport to the Oakland bus terminal—fare \$1.20—from which a taxi to the Berkeley hotels or the Residence Halls costs about \$2.60. Better still, for the convention, the Barrett airport limousines at San Francisco (whenever there are six or more passengers bound for Berkeley) will drive directly to the ASUC Student Center; fare \$1.50 each. Finally, it is possible for a party of one to four to hire a taxicab at the San Francisco airport and travel directly to any point in Berkeley for about \$14.00—running time about 50 minutes.

From the Oakland airport, the limousine service provides direct transportation from all flights to any hotel or the Residence Halls in Berkeley for \$2.00—running time about 45 minutes. Taxicab fare about \$7.50. As at most airports, it saves time and sometimes money for persons attending a scientific meeting to hire a taxicab that will carry four for the price of one.

Table 1 is intended to give the prospective attendee at this year's AAAS meeting the approximate travel time and round-trip cost between Chicago, Washington, and New York and San Francisco-Oakland.

Oakland-Berkeley is the western terminal of the Union Pacific and Southern Pacific railroads, while San Francisco is the terminus for the transcontinental bus lines. National highway routes 40 and 50 unite at the eastern end of the Oakland-San Francisco Bay Bridge.

### Local Transportation

The local connections between the Berkeley hotels, motels, and Residence Halls and the San Francisco and Oakland airports have been discussed in the preceding section.

*Berkeley Taxis.* Since most of the people in Berkeley—whether faculty or students, workers or visitors—have cars, there are relatively few taxis. But there are some, which can be ordered in advance or found outside of the hotels. There will be a taxi stand on Bancroft Street, very near the ASUC Student Center. Rental cars are available at all airports and at the Claremont Hotel—and they can be telephoned for from any other location. Rental cars secured at either the San Francisco or Oakland airport can be turned in in Berkeley without an extra charge.

*Buses.* The bus service in Berkeley is efficient, and once the routes, stopping places, and schedules become familiar, they will be helpful. Local fares 25¢.

Buses are not necessary to get from the Durant, Residence Halls, or Shattuck to the ASUC Student Center and the Sather Gate entrance to the campus. The Alameda-Contra Transit District buses connect with all East Bay points and they cross into San Francisco. From Shattuck and University Avenues, they run to San Francisco and return at 15-minute intervals between 5 a.m. and 10 p.m. and then at 30-minute intervals until midnight. Fare 50¢.

### Eating Places

Since the University operates on a nonprofit basis, the price of food—in the Dining Commons and Residence Halls—is correspondingly low. It has been mentioned before that for those who stay in the Residence Halls, breakfast and luncheon combined is but \$1.00 per person per day. The food in the hotels is good and the prices reasonable. There are seafood and specialty restaurants throughout Berkeley. At AAAS Headquarters in the Student Union, a list of "places to eat" will be available.

Probably many will want to explore San Francisco before they return home, and also Mount Tamalpais and Muir Woods, both on the Marin Peninsula.