

THE UNIVERSITY OF CHICAGO

CHICAGO • ILLINOIS 60637

DEPARTMENT OF CHEMISTRY

5735 SOUTH ELLIS AVENUE

KENT CHEMICAL LABORATORY • GEORGE HERBERT JONES LABORATORY

SEARLE CHEMISTRY LABORATORY

Dear Colleague:

You are cordially invited to attend the 28th National Organic Chemistry Symposium. These biennial symposia are sponsored by the ACS Division of Organic Chemistry to spotlight research frontiers and to promote scientific exchange amongst a broad spectrum of organic chemists. This year the Symposium will be held on the campus of Montana State University, Bozeman, Montana June 19-23. The site was chosen with due regard to available facilities, the enthusiasm of the local host committee, and the splendiferous environment of the Northern Rockies.

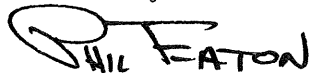
The scientific program is outlined on the back of this letter. It is, I believe, well-rounded and responsive to your requests. There will be ten invited lecturers, each an expert in his area and an outstanding speaker. In addition, Professor Alan Battersby will receive the Roger Adams Award, sponsored by Organic Synthesis, Inc., Organic Reactions, Inc., and the Organic Division. He will present his award address on Tuesday evening.

The non-technical aspects of the Symposium have been arranged by Professor Arnold Craig and his colleagues at MSU and will provide a true taste of the West. Indeed, we will be able to savor the treat of a buffalo barbecue and enjoy the finals of the National Collegiate Rodeo Championships. If you have not already thought of it, let me point out that the timing and location of the Symposium provide an ideal opportunity to combine it with a vacation in one of the most grand and scenic areas of the United States.

If you are planning to attend the Symposium, please note that early return of your registration form would be very helpful.

I look forward to seeing you in Bozeman.

Sincerely,



Philip E. Eaton  
Symposium Executive Officer  
ACS, Division of Organic Chemistry

P.S. Students are welcome to attend the Symposium. Their registration fee has been set quite low and they can keep their expenses minimal. Do encourage them to come.

## PROGRAM

### MONDAY, JUNE 20

- 8:30 AM Welcome, Response, and Announcements  
9:00 AM P.A. Wender, Recent Advances in Arene Olefin Photocycloadditions  
10:30 AM J.F. Bunnett, Chemical Events During Mixing of Solvated Electrons  
with Organic Halogen Compounds  
7:30 PM K.B. Wiberg, Inverted Tetrahedral Geometries

### TUESDAY, JUNE 21

- 9:00 AM B. Fraser-Reid, Carbohydrate Derivatives in the Asymmetrical  
Synthesis of Natural Products  
10:30 AM H. Hart, Synthesis of Novel Unnatural Products  
7:30 PM A.R. Battersby, Vitamin B<sub>12</sub>

### WEDNESDAY, JUNE 22

- 8:30 AM A.B. Smith III, Synthetic Studies in the Milbemycin-Avermectin  
Area: A New Generation of Insecticides  
10:00 AM A. Padwa, Strain, Reactivity and Microcycles  
11:15 AM G.B. Schuster, Chemical Properties of Short-lived Reactive  
Organic Intermediates

### THURSDAY, JUNE 23

- 9:00 AM K.B. Sharpless, Recent Advances in Asymmetric Synthesis  
10:30 AM R.H. Grubbs, The Organic and Inorganic Chemistry of  $(C_5H_5)_2Ti=CH_2$   
12 NOON Closing Remarks



Dear Colleague:

The 28th National Organic Chemistry Symposium will be held on the Montana State University campus, June 19-23, 1983. The MSU Chemistry Department is pleased to be your host and wishes to welcome you enthusiastically to Bozeman. The scientific program is outstanding and every provision is being made for you to enjoy your stay in Bozeman.

For those of you not familiar with the Montana Rockies, let me point out a few of the exceptional natural attractions nearby and encourage you to combine a family vacation with attendance at the Symposium. Yellowstone Park, our most famous neighbor, is just 90 miles south of Bozeman. Its thermal springs, waterfalls, and animal life are spectacular. Glacier National Park, 250 miles to the north, features glaciers of course, high peaks, excellent backpacking and camping opportunities, and the fantastic Going-to-the-Sun Highway, an unsurpassed mountain drive across the Continental Divide. The Custer Battlefield is 150 miles east of Bozeman; the battle is re-enacted each anniversary in late June. Also of interest and within 100 miles of Bozeman are Gates of the Mountains, where the Missouri cuts through a vertical wall rock canyon; Headwaters State Park, where the Missouri is formed from three smaller streams; and the Lewis and Clark Caverns, a large limestone cave with a two hour walk-through tour. There are many more things to see and do; the area has vast National Forests with many public campgrounds, hiking and climbing opportunities, and some of the best fly-fishing in the world. Expect temperatures in late June to be cool (50-60°F daytime). Pack accordingly.

Transportation: Bozeman is relatively well served by Northwest, Frontier, and Western Airlines. There are five incoming 727/737 flights per day. Nevertheless, the accommodation of a large number of arrivals/departures on a particular day may require special arrangements. Montana Travel, Inc., a Bozeman travel service, is thoroughly experienced in handling this, and they will arrange extra sections on existing flights or initiate charter flights if the need develops. Although certainly you are free to make your own airline arrangements, it would be helpful if you used Montana Travel; in any case, please complete the air travel section of the registration request form.

Because of the particular attractions of the area, you might wish to consider driving to Bozeman, perhaps by rental car from Salt Lake City through Grand Teton and Yellowstone National Parks. Another interesting possibility is using Amtrak to reach Glacier National Park and driving in from there. Montana Travel, Inc. will be happy to help make arrangements (406-587-4448).

Accommodations: Dormitory housing will be available on campus starting Sunday in the Hedges Complex about 300 yards from the Student Union building where the lecture sessions will be held. The rates are: double room occupancy - \$7.50/person/night; single room occupancy - \$9.00/night. Linen, pillows, blankets and towels will be provided, but making beds is up to you. Family groups are, of course, welcome. If you plan to stay in the dorms, please include the full rent with your registration fee. Food service will be available in the dormitory cafeteria daily except Sunday. (Sunday, the Student Union will be open.) Meals can be purchased individually and will be priced as follows: breakfast \$2.25; lunch \$3.00; dinner \$4.00. Snacks will be available in the Union. Of course, there are a number of good restaurants in Bozeman; an annotated list will be provided in your registration packet.

Motel housing is available in the area (see accommodation list). Block reservations have been made at the Holiday Inn, Ramada Inn, Best Western, Thrifty Scot, Imperial 400, and Lewis and Clark Motels. These motels are at least one mile from campus; adequate shuttle service will be available. We urge you to make known your motel request early to ensure your first choice. A deposit of one night's stay should accompany your request and be included in the amount remitted.

Camping, recreational vehicle, and western vacation accommodations are also available and are included at the end of the motel list. Please let us know if you have any special housing requirements so that we can make appropriate arrangements.

Non-technical Program: The Local Committee hopes to bring a little Western flavor to the Symposium by having a buffalo barbecue on Wednesday evening, June 22, followed by Organic Division Night at the National Collegiate Rodeo Finals. A ticket to each of these events is included in the registration fee. Additional barbecue and rodeo tickets are available for family members and guests.

There will be mixers following the Monday and Tuesday evening sessions with complimentary beer/wine for registrants and their guests. Bar service and draft beer will be available in the dormitory prior to evening meals.

The University's excellent athletic facilities (e.g., swimming, tennis, racquetball, etc.) will be available for your use free of charge. The local golf courses at Valley View and Riverside Country Clubs will be available, as will the 3-theater cinema and the Museum of the Rockies which are located on campus close to the dorms.

Several sightseeing tours are scheduled for participants/guests during Symposium free hours and on the Friday following the Symposium. Prepayment is necessary. The afternoon tours will each take about 5 hours (1-6 pm) and are scheduled as follows:

Monday, June 20:

Scenic tour - east loop "To Paradise and Back" (Bridger Canyon, Shields River Valley, Wind Farm, Paradise Valley, Yellowstone River, Chico, and Trail Creek). Excellent diversity of scenery - big mountains, ranching history and modern development. \$7.50/person.

Trip to Historical Virginia City - a trip which allows you two hours to visit the original buildings of Virginia City. Here, the vigilantes formed to clean up the wild gold town. The town is filled with memorabilia of the Montana gold rush era of 1863 to 1880. \$7.50/person.

Day-long Yellowstone Park Loop Tour (see description below).

Tuesday, June 21:

Scenic tour - west loop "To the High Country" (Gallatin Canyon, Big Sky, Hebgen and Quake Lake, Madison and Jefferson Canyons). High country scenery of mountains, canyons, rivers, lakes, geology, ranching. \$7.50/person.

Trip to Historical Virginia City - repeated.

Day-long Yellowstone Park Loop Tour (see description below).

Friday, June 24:

Day-long Yellowstone Park Loop Tour. Fully equipped tour bus leaves Bozeman in morning, returns early evening. Tour of major park features includes Old Faithful, Lake, Fishing Bridge, Canyon, and Mammoth Hot Springs. Access to the park via Gallatin Canyon or Paradise Valley and opposite on return. Time required 10-11 hours. Meals are not included. \$12.50/person. These tours assume sufficient demand.

We at MSU all look forward to having you at the Symposium. Feel free to contact us (406-994-4801) if we can help work out your plans. Please help us by sending in your registration form early. We will acknowledge its receipt and your reservations as soon as possible. Remember registration by June 1 is required.

Sincerely,



Arnold Craig  
Chairman, Host Committee  
28th National Organic Chemistry Symposium

ACCOMMODATION LIST

Motels in the immediate Bozeman area are located in three distinct groups. The Downtown group is closest to the Symposium site (about 1 mile), the West I-90 Exit group is 2 miles away and the East I-90 Exit group about 2.5 miles distant. Those listed with rates are motels at which the Symposium holds block space. The rates shown in most cases represent a modest discount from regular season rates. Other local motels, campgrounds and selected vacation accommodations are included in remaining lists.

	RATES					
	1 bed		2 bed			
	Person	1	2	1	2	3
<u>Downtown</u>						
<u>Best Western City Center Motel</u> - 507 W. Main. 68 units. Supper Club & Lounge. Cafe across street. Indoor & aqua pool. Air conditioned, color TV, suites. 406-587-3158	33	39	--	41	45	49
<u>Imperial 400 Motel</u> - 122 W. Main. 36 units. Outdoor pool, air condi- tioned. Color TV (cable). Heart of downtown Bozeman. 406-587-4481	--	--	24	28	--	--
<u>Lewis &amp; Clark Motel</u> - 824 W. Main. 51 units. Indoor pool, sauna. Air conditioned. Color TV. 406-586-3341	24	--	--	32	34	37
<u>I-90 West Exit</u>						
<u>Ramada Inn</u> - 1325 N. 7th. 104 units. Restaurant & lounge. Indoor pool. Sunken fireplace in pool area. Color TV. Courtesy car. 406-587-5261	31	38	35	42	49	56
<u>Holiday Inn of Bozeman</u> - 5 Baxter Lane. 182 units. Indoor heated pool, saunas. Color TV. Large lobby with fireplace. Courtesy car. 406-587-4561	--	--	36	41	--	--
<u>Thrifty Scot Motel</u> - 1321 N. 7th. 79 units. Thrifty single, doubles, ski suites. Low rates include color TV, telephone. 24-hour desk. Hot water heat. Free continental breakfast. 406-587-5251	--	--	18	25	--	--

## OTHER LOCAL MOTELS

### Downtown

Friendship Inn Rainbow Motel - 510 N. 7th. 43 units. AAA. In-room coffee, air conditioned. Headbolt heaters, thermostatically controlled heat. Heated outdoor pool. 5 kitchenettes. TV-some color. Cafe one block. 406-587-4201

Sunset Motel - 810 N. 7th. 13 units summer, 10 winter. Air conditioned, color/cable TV & phones. 2 restaurants nearby. 406-587-5536

Royal 6 Motel - 310 N. 7th. 41 units. TV, air conditioned, hot water heat. Kitchenettes. 2 restaurants nearby. 406-587-3103

### I-90 West Exit

Super 8 Motel - 800 Wheat Drive. 60 units. Color TV, air conditioned. Room telephones, game room. Budget rates. 406-586-1521

Topper Motel - 1235 N. 7th. 47 units. Outdoor pool, sauna. Continental breakfast. Restaurant, lounge. Air conditioned. Color cable TV. 406-587-3176

### I-90 East Exit

Continental Motor Inn - 1324 E. Main. 61 units. Cable TV, air conditioned. Near recreation area. Queen-size beds. Restaurant, bar close. Ample parking. 406-587-9231

Ranch House Motel - 1201 E. Main. 16 units. AAA. Reasonable rates. Cable TV. 2 family restaurants nearby. Individual heat. 406-587-4278

Mountain View Motel - 1010 E. Main. Air conditioned. Color cable TV. Kitchenettes, laundromat. 406-586-5415

Alpine Lodge - 1017 E. Main. 14 units, some kitchenettes. 406-586-0356

## CAMPGROUNDS AND SELECTED VACATION ACCOMMODATIONS

Bear Canyon Campground & R.V. Park 4000 Bear Canyon Rd, 100 RV & tent sites, hook-ups, heated pool, camp store, hot showers, laundry facilities. 406-587-1575

Sunrise Campground 31842 Frontage Rd, level pull-through sites, close to all city services. 406-587-4797

Lone Mountain Guest Ranch Box 145, Big Sky, 59716. 15 cabins (cap. 50). Dude ranch, ski touring. Packages include food, lodging, horseback riding, ranch activities. Hot tub, jacuzzi. 406-995-4644

Big Sky of Montana Resort Box 1, Big Sky, 59716. Huntley Lodge (204 units). Pool, sauna, exercise room, restaurants, shops, skiing. 406-995-4211

Big Sky Telemark Inn Box 803, Big Sky, MT 59716. Golf, tennis, pool, horseback riding, backpacking. 406-995-4269

Bozeman Hot Springs KOA Campground 133 Lower Rainbow Rd, shade, grass, hook-ups, hot showers. Indoor hot springs, pools on grounds. 406-587-3030

Nine Quarter Circle Ranch Gallatin Gateway, 59730. 85 cap. Family vacation Dude Ranch. Fly fishing instruction, trips. Horseback riding. 406-995-4276

Buck's T-4 Gallatin Gateway, 59730. 40 units. AAA. Supper club, lounge, short order kitchen. Game room, continental breakfast, color TV, phones. Transportation to/from Big Sky. 406-995-4295

Bridger Mountain Lodge 15 mi. from Bozeman at Bridger Bowl, P.O. Box 374. 9 units. Modified American plan - breakfast & lunch. Lodge room, game room. Courtesy car from airport. Available during summer for weekend specials. 406-587-3088



Montana State University  
Bozeman, Montana 59717

JUNE 19-23, 1983

REGISTRATION BY JUNE 1 REQUIRED FOR THE SYMPOSIUM & ALL EVENTS

Please print clearly or type:

Name: \_\_\_\_\_  
first and initial \_\_\_\_\_ last \_\_\_\_\_

Address: \_\_\_\_\_  
street \_\_\_\_\_ city \_\_\_\_\_ state \_\_\_\_\_ zip \_\_\_\_\_

Affiliation: \_\_\_\_\_ Telephone: \_\_\_\_\_

Number of Guests: \_\_\_\_\_ adults \_\_\_\_\_ children

Housing: If you want housing arranged by the Symposium office, please complete the appropriate parts of this section.

Dormitory accommodations: \_\_\_\_\_ singles @ \$9.00/night = \$ \_\_\_\_\_

\_\_\_\_\_ doubles @ \$7.50/person/night = \$ \_\_\_\_\_

check in date \_\_\_\_\_ (6/19 earliest) check out date \_\_\_\_\_ (6/25 latest)

Motel accommodations: (if more than one room is needed, please detail your needs on a separate sheet)

motel choice \_\_\_\_\_  
1st \_\_\_\_\_ 2nd \_\_\_\_\_

room choice \_\_\_\_\_ or \_\_\_\_\_ one night's deposit = \$ \_\_\_\_\_  
1 bed \_\_\_\_\_ 2 beds \_\_\_\_\_

check in date \_\_\_\_\_ check out date \_\_\_\_\_

Will you need shuttle service? \_\_\_\_\_

If you will be sharing accommodations with another registrant, with whom? \_\_\_\_\_

Travel Questionnaire

Do you plan to fly into Bozeman on June 19? \_\_\_\_ yes, from \_\_\_\_\_ ;  
\_\_\_\_ no, coming instead by \_\_\_\_\_ , on \_\_\_\_\_ .  
date

Do you plan to fly out of Bozeman on June 23? \_\_\_\_ yes, to \_\_\_\_\_ ;  
\_\_\_\_ no, going instead by \_\_\_\_\_ , on \_\_\_\_\_ .  
date

If you already have air travel reservations to/from Bozeman, please specify dates, airlines, and flight numbers \_\_\_\_\_

Would you like Montana Travel, Inc. to contact you about making flight reservations or arranging ground services? \_\_\_\_\_ yes \_\_\_\_\_ no

Would you be interested in a charter flight? \_\_\_\_\_ yes \_\_\_\_\_ no

Payment

The registration fee is required only from those attending the technical sessions. The costs of the Symposium Abstracts, mixers Monday and Tuesday nights, the buffalo barbecue, and the rodeo are included therein. Guests are welcome free at the mixers. Guest tickets for the barbecue and rodeo must be purchased in advance as must tickets for the various tours you and your guests might take. Please include with your payment the full dormitory fee or if we are to arrange a motel, one night's deposit. Full refunds will be available if you cancel before June 6.

Registration Fees:	Organic Division Member	(\$75)
	Organic Division Nonmember	(\$85)
	Nonmember joining the Division*	(\$79)
	Student	(\$20) \$ _____

\*ACS members who are not members of the Organic Division qualify for the member rate upon payment of the 1983 dues (\$4)

Buffalo barbecue tickets - additional adult @ \$6.00 \_\_\_\_\_  
(under 12 years old) \_\_\_\_\_ children @ \$3.00 \_\_\_\_\_

Rodeo tickets (additional) \_\_\_\_\_ @ \$5.00 \_\_\_\_\_

Monday scenic tour (east) \_\_\_\_\_ @ \$7.50 \_\_\_\_\_

Monday Virginia City tour \_\_\_\_\_ @ \$7.50 \_\_\_\_\_

Monday Yellowstone tour \_\_\_\_\_ @ \$12.50 \_\_\_\_\_

Tuesday scenic tour (west) \_\_\_\_\_ @ \$7.50 \_\_\_\_\_

Tuesday Virginia City tour \_\_\_\_\_ @ \$7.50 \_\_\_\_\_

Tuesday Yellowstone tour \_\_\_\_\_ @ \$12.50 \_\_\_\_\_

Friday Yellowstone tour \_\_\_\_\_ @ \$12.50 \_\_\_\_\_

Full dormitory fee or one night motel deposit \_\_\_\_\_

TOTAL AMOUNT ENCLOSED \$ \_\_\_\_\_

Please make your check payable to: 28th NOCS. Send it with this entire form to:

28th Organic Symposium  
Montana State University  
Department of Chemistry  
Bozeman, MT 59717

Additional forms are available at the above address. Copies are certainly acceptable.