

IOCCA

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IN THIS ISSUE

WITAN-71 AT LOM, NORWAY 6
A look at Europe's equivalent to IOCA Conference and College Week. By Julia Wakefield.

FOUR-WHEELERS FOR OUTINGS 9
A current analysis of American and foreign four-wheel drive vehicles. By Roland Vinyard and Alan Brooks, IOCALums.

HINTS FOR BEGINNING CLIMBERS, PART I 13
Humorous "guidelines" on rock climbing. By David Millar (reprint).

REGULAR FEATURES

EDITORIAL	3	AUTHORS	4
BULLETIN BOARD	25	CLUB IMPROVEMENTS	21
CLUB BLURBS	24	IOCA SONGFEST	23
IOCA ACTIVITY REPORTS - CLIMBING			17
		CAVING	18
		CONSERVATION	16
		SCUBA DIVING	20

COVER - Several North Carolina outing clubbers posing during the 1972 IOCA Conference near Kent, Connecticut.

"An IOCA Bulletin that is entirely the product of IOCA's becomes at once the official organ through which the thoughts, activities and, in fact, the very life of IOCA, is registered. It is the mouthpiece through which IOCA's themselves talk. Intercollegiate outing clubbing without its Bulletin is blank."

The IOCA Bulletin is published quarterly by the Intercollegiate Outing Club Association at P. O. Box 5262, Raleigh, North Carolina 27607. Subscriptions are 50¢ per year for the Bulletin or \$1.50 per year for all IOCA publications, including the bimonthly Newsletter, the quarterly Bulletin and the annual Directory. Send Bulletin subscriptions to the above address - checks made payable to "IOCA Bulletin." Full IOCA subscriptions should be sent to the Executive Secretary: Kent Johnson, 6008 Greene Street, Germantown, Pennsylvania 19019, checks made payable to "IOCA." Club membership information available from the IOCA Executive Secretary.

Advertising rates available from the IOCA Bulletin, P. O. Box 5262, Raleigh, North Carolina 27607. The Bulletin Board free classifieds are for the sole use of members to sell personal items, locate wanted items or state personal notes, not for general commercial use.

All articles, including technical, specialty and personal experience accounts, are encouraged and should be sent to the Editor. Bulletin Board, Club Improvements and Club Blurbs items should also be sent to the Editor. Illustrations are welcomed, especially to accompany articles. Maps should be original or good prints. Photographs must be sharp, black and white, with high contrast. Photographs are returned shortly after publication. As a matter of policy, ten separates are sent without charge to each author. Additional separates will be sent upon request, if available.

Closing dates for all advertising, articles, activity reports, free classifieds and all other materials are:

Fall issue	September 9
Winter issue	December 9
Spring issue	March 9
Summer issue	June 9

INTERCOLLEGIATE OUTING CLUB ASSOCIATION

The Intercollegiate Outing Club Association is an informal organization composed of college outing clubs, alumni and others interested in promoting intercollegiate, non-competitive outdoor activities. IOCA was founded in May, 1932 at the first annual conference hosted by the Dartmouth Outing Club on Mount Moosilauke, New Hampshire.

Primary activities of IOCA include backpacking, bicycling, canoeing, caving (spelunking), conservation efforts, folk dancing, ice climbing, rock climbing, sailing, SCUBA diving, skiing, ski touring, snorkeling, snow climbing and square dancing. Traditional IOCA events are College Week in September, Fall Seneca in October, Fall Lake George in October, Fall IOCAving in November, Spring IOCAving in March and IOCA Conference in April.

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EDITORIAL

Forty years has elapsed since the founding of the Intercollegiate Outing Club Association. During those forty years, many changes have been made within the organization and within the program. IOCA's membership has been slowly spreading throughout the eastern United States and Canada with a few signs of future growth showing up west of the Mississippi.

The IOCA program gains and loses certain aspects from time to time. For instance, from 1957 to the early 1960's, there existed a fall and spring IOCA Climbing Leadership School in the Gunks and a Winter Mountaineering School in the Adirondacks. The latter, however, seems to still exist, although the past few IOCA Executive Secretaries have not received any official word on the school. Every once in a while, though, enthusiastic outing clubs and IOCA officers conduct similar schools, either over a weekend or for extended periods, in caving, survival, conservation and canoeing as well as climbing and winter mountaineering. And just over the past two years, the IOCALums have sponsored Super Trip in Wyoming and Alberta as an incentive to encourage technical outdoor training within clubs and regions prior to the outing.

The 1972 IOCA Conference created additional technical chairmen in bicycling and SCUBA diving to assist the existing IOCAving, canoeing and conservation chairmen in promoting new activities and safety among IOCA clubs. Whatever happened to backpacking and climbing? The respective chairmen were not elected during this conference (nor were the appropriate meetings held), yet both backpacking and climbing are two of the most common activities in IOCA.

The IOCA Bulletin, IOCA's quarterly magazine, is also an essential part of the overall program. And, backed by a highly enthusiastic staff interested in publishing the best volume yet, the Bulletin's role in the IOCA program should take on greater significance. This year's Bulletin, as witnessed by the reading of this fall issue, will contain more IOCA-oriented features, appearing regularly: the Bulletin Board, IOCA's free classifieds; Club Blurbs, providing some insight on the doings of the IOCA clubs; Club Improvements, bringing new ideas for improving your outing club's program, financing, publicity and many other aspects of your club's organization; IOCA Songfest, to acquaint new clubs and individuals with songs commonly heard on IOCA trips; IOCA Activity Reports from the technical chairmen; and even a column about those IOCA's and alums who contribute articles to the Bulletin.

The IOCA Bulletin has always been a magazine by IOCA's and alums, produced by IOCA's and alums, for the reading and enjoyment of IOCA's and alums. An IOCA Bulletin that is entirely the product of IOCA's becomes at once the official organ through which the thoughts, activities and, in fact, the very life of IOCA, is registered. It is the mouthpiece through which IOCA's themselves talk. Intercollegiate outing clubbing without its Bulletin is blank.

See y'all on the next outing . . .

See-ooo-wah!
Alan

Authors

ALAN BROOKS, age 23, graduated from the University of Delaware in 1971, with a bachelor of science degree in entomology and applied ecology. He served as president of the University of Delaware Outing Club for two terms and also served as IOCA Executive Secretary for two terms. Now residing in Raleigh, North Carolina, Alan had helped to organize the North Carolina State Outing Club at N. C. State University and is doing likewise for the Piedmont Intercollegiate Grotto at present.

Active in backpacking, caving and square dancing, Alan is a member of the Appalachian Trail Conference, the National Speleological Society, American Fishing Association and the National Parks and Conservation Association. He attended the National Outdoor Leadership School, based in Lander, Wyoming, in the summer of 1970 and is currently employed as a research entomologist at North Carolina State University.

REYD DOTSON, age 21, is a sophomore geosciences major at North Carolina State University and hails from Boone, North Carolina.

Currently serving as IOCA SCUBA Diving Chairman, Reid is a member of the International Oceanographic Foundation and a qualified diver and instructor, having certification from the American Institute of Diving Instructors. But diving is not his only outdoor interest as caving and backpacking also holds Reid's enthusiasm for IOCA and intercollegiate outing clubbing. He is a charter member of the North Carolina State Outing Club and is helping in the organization of the Piedmont Intercollegiate Grotto in central North Carolina.

ROLAND VINYARD, age 26, graduated from the University of Delaware in 1969, with a bachelor of arts degree in history, and from the University of Connecticut in 1971, with a master's degree in history. He served as treasurer of the University of Delaware Outing Club and as it's president for two terms. Roland also held the office of IOCAving Chairman and is currently IOCALum Secretary.


Active in backpacking and caving, Roland is a member of the Sierra Club, the Wilderness Society and the National Speleological Society. He is currently employed as a dairy technician in Connecticut.

AUTHORS (continued)

JULIA WAKEFIELD is a graduate of England's Oxford University and is currently residing in Yorkshire, England.

Julia is an alumnae of the International Student Scouts and Guides, primarily a European outdoor organization and very similar to the Intercollegiate Outing Club Association in most respects, and is also chairman of the Scouts and Guides Witan Committee.

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- National Geographic News Bulletin

WITAN-71 AT LOM, NORWAY

For ten days last summer, about 100 students from eighteen different countries, brought together through their common background of Scouting and other outdoor life interests, met at Lom, in the mountains of Norway for Witan-71.

The name "Witan," an Anglo-Saxon word meaning a gathering of the chiefs or elders, was adopted for the first such rally organized by a group from Oxford University back in 1959. Since then Witans have been held biennially in a number of countries, including Norway, Germany, Holland and Austria. Although most of the participants, or Witaneers, have come from Europe, we have been pleased to see some from further afield.

In Norway, we met many old friends and made plenty of new ones. Accommodation was in tents for those who preferred, but indoor facilities were also available. In order to save precious time for the many activities, our meals were cooked for us in a central kitchen.

The activities during the Witan were quite varied; many of them were concerned with our common interest in the outdoor life, and also with our aim of learning about the country in which we were living and its people. There were some linguistic problems but most of us had the ingenuity to overcome these.

We spent long days hiking in the mountains of the Jotunheimen, and on one of these trips, to the summit of Galdhopingen (Norway's highest mountain), we had to climb our way across a glacier and then up through a snowstorm - and this in August! Other days were spent seeing the breathtaking beauties of the Sognefiord and exploring the Svellnosbreen, a glacier crushed between two mountains and being deeply rift in crevasses. Our experiences of the area gave us some insight when we were to later discuss both the problems of the more remote areas of Norway and also the wider question of conserving such relatively unspoiled areas in this industrial age.

For most activities, the Witaneers are divided into smaller groups in which it is easier to get to know the members from the other countries. In one of the traditional features of the Witan, the "Witan Games," these groups compete in various athletic events such as stilt racing and building human pyramids.

Another traditional feature is the International Evening when Witaneers are given a chance to show other Witaneers some aspect of the life of their own country through dance or song; or inviting us to sample their national dishes. The other evenings are spent gathered around a blazing campfire to sing songs in many languages, though English, the official tongue of the Witan, predominated. Some evenings see folk dancing, in or out of doors, into the small hours of the night.

We learned a great deal about the history of the region when we visited the local folk museum, a reconstructed farm, and this was the site for one evening spent enjoying various displays of Norwegian folk culture - and, of course, there was the chance to join in and experience the dances for yourself.

Perhaps the most memorable part of the Witan, for many of us, were the friendships that were made. We worked and ate together and there were many spontaneous and very interesting discussions on topics concerned with Scouting and of the various differences and similarities between our various home countries.

Before and after the Witan, activities were arranged in small groups for those who wanted to see more of the country or who wanted to take part in more specialized activities.

As we all parted, the one consoling thought was that many of us will meet again at Witan-73 in England. Plans are already well advanced for the British Witan, to be held in August of 1973 at Wargrave, a picturesque village near Reading in the South of England.

Julia Wakefield

(Editor's note: the Witan activities are sponsored by the International Scout and Guide Cooperative, an organization of college students and alumni involved in the Boy Scout and Girl Guide movements in Europe and elsewhere. Witan is their equivalent to our Conference and College Week, combined. If anyone is interested in learning more about Witan-73 in England next summer, please write to:

Julia Wakefield
8 Royal Crescent
Whitby, Yorkshire
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FOUR WHEELERS FOR OUTINGS

Many cavers, climbers, fishermen and others have decided, for one or more varied reasons, to buy a four-wheel drive vehicle. Today, there are many different kinds with many different options and the prospective buyer will be swamped with facts and figures if he tries to buy scientifically. Once the prospective buyer decides that he or she really needs a four-wheeler, he must decide what he wants it to do and what he will expect of it. Besides the long-known Jeep (available in three basic non-truck models and now made by American Motors), there is the Chevrolet Blazer, Ford Bronco, International Scout (two non-truck models, made by International Harvester), General Motors Jimmy, Land Cruiser (three basic models, made by Toyota Motors), Land Rover (made in England) and Datsun Patrol. The Patrol hasn't been imported into the United States yet because it doesn't meet our emission control requirements, so information on the Patrol is lacking in this article.

Decide what you want and how much you want from it.

Generally speaking, for caving, climbing and similar activities, one would want good off-road performance, ruggedness and durability, economy (gas, oil, parts, repairs, etc.), high clearance, short overhang, short turning diameter and smooth handling and ride. Other considerations include the vehicle's carrying capacity, fuel tank capacity, seating, design and available options. Popular options include lock-out hubs or free-wheeling hubs (a virtual necessity on any four-wheeler except the Land Rover which claims their vehicle doesn't really need them), overdrives, limited-slip differential, undercoating, extra seating, increased capacity fuel tanks, heavy duty what-ever-you-can-gets, interior lighting, radio and different axle ratios. Automatic transmission, available for most four-wheelers, is highly undesirable for mountain driving.

Ability to travel long distance and highway performance. Since many outings may involve a few hundred miles of driving on paved highways and interstates in order to reach near your destination, the on-road performance is just as essential as the off-road performance. Engine size is important - the standard six-cylinder engines in Jeep, Jimmy, Bronco and Land Cruiser or the eight-cylinder engines in Scout and Blazer or the Land Rover's four-cylinders will suffice. Eight cylinder engines are also available for Jeep and Jimmy and Land Cruiser has a four-cylinder option. The Blazer also has a very heavy duty six-cylinder option, however, heavy duty suspension in any model means a harder and more tiring ride.

Carrying capacity and size. Here the Blazer and Jimmy are clearly the largest, Jeep the smallest. However, Jeep and Land Cruiser do have longer four-wheelers available, but Blazer and Jimmey are not available in a shorter model. Do you want to carry large loads or maneuver through narrow passes?

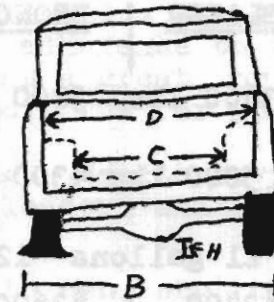
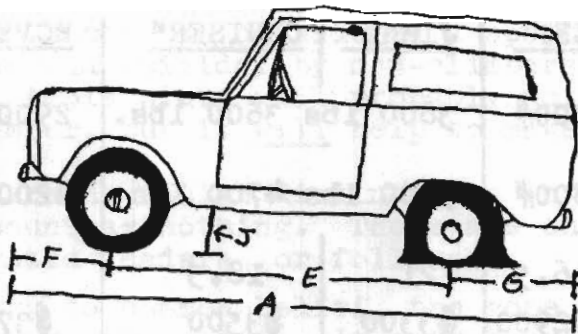
Off-road performance. The Land Cruiser and Land Rover are best, closely followed by the Jeep. Broncos have won several cross-country races, but these are not their stock models.

Price. Prices, of course, vary according to the model, options, state taxes, dealer preparation charges, shipping costs, etc. The specifications chart on the next page lists the base price for the selected four-wheelers and the "sticker" price of the vehicles, as sold in North Carolina on a straight cash sale, no bargaining done. All vehicles except the Land Rover were equipped with lock-out hubs, AM radio, hardtop, rear seats (and, in the case of the Jimmy, the front passenger seat also, since the standard Jimmy comes only with the driver's seat), skid plates for the fuel tank and transfer case and passenger side mirror.

Clearance, overhang, turning diameter. Jeep has the best turning diameter, followed by the Scout. The Land Rover is worst, but has the best clearance. Bronco's sprung clearance, or ramp breakover clearance, is great, but it is fairly low under the axles. Front overhang on the Jeep, Land Cruiser and Land Rover are all equally good, Blazer and Jimmy being equally poor. Rear overhang again is good on the Jeep, Land Cruiser and Land Rover, but Blazer, Jimmy and the station wagon models for Jeep and Land Cruiser are woefully long.

As a final word, be sure to thoroughly test drive any vehicle you may buy and talk to as many owners as possible. This is the only way you'll be able to find out how the four-wheeler rides and handles and how performances of past models have been. Some complaints of four-wheeler owners have been:

- Bronco
 - frequent breakdowns
 - poor highway performance (costly)
- Jeep
 - owners of late-model American Motors jeeps feel that they're not as rugged as the earlier Jeep Corporation vehicles
- Land Cruiser
 - rear heater in the vinyl-top model inadequate
- Land Rover
 - poor highway performance
 - slow for climbing steep hills
- Scout
 - body rots away easily
 - International Harvester service centers more interested in catering to the bigger trucks and farm machinery, thus poor servicing on Scouts



SPECIFICATIONS FOR SELECTED 1972 FOUR-WHEEL DRIVE VEHICLES

	<u>BLAZER</u>	<u>BRONCO</u>	<u>JEEP*</u>	<u>JIMMY</u>	<u>CRUISER**</u>	<u>ROVER**</u>	<u>SCOUT II</u>
A Overall Length	177.5"	152.1"	140.8"	177.5"	152.4"	142"	152.5"
B Overall Width	79.0"	68.8"	64.0"	79.0"	65.6"	64"	68.6"
C Inside Min. Width	50"	40.0"		50.0"	46.9"	36"	38.0"
D Inside Max. Width	72"	56.0"		72.0"	52.3"	57"	59.0"
E Wheelbase	104"	92.0"	84.0"	104.0"	90.0"	88.0"	100.0"
F Front Overhang	33.3"	26.9"	25.7"	33.3"	27.8"	12"	24.0"
G Rear Overhang	40.3"	33.2"	31.1"	40.3"	34.6"	24"	28.5"
*Front Axle Clearance	7.3"	6.7"	8.0"	8.0"	7.5"	8"	8.2"
H *Rear Axle Clearance	7.3"	6.4"	8.0"	7.3"	8.0"	8"	8.6"
J *Sprung Clearance	9.5"	11.3"	8.8"	10.2"	8.8"	12"	8.6"
Turning Diameter (from bumper)	33.7'	33.6'	32.9'	33.8'	34.8'	38'	36.0'
Engine Size	250 cu."	170	232	250 cu. in.	236.7	139	232 cu."
HP @ RPM	155 @ 4200	105 @ 4200	100 @ 3600	110 @ 3800	138 @ 4000	77 @ 4250	145 @ 4300
Torque @ RPM			185 @ 1800	185 @ 1600	213 @ 2200		
Compression Ratio	8.5:1	8.7:1	8:1	8.5:1	7.8:1	7:1	8.5:1
Rear Axle Ratio	3:1	4.1:1	3.7:1	5.1:1	4.1:1	4.7:1	3.3:1

	<u>BLAZER</u>	<u>BRONCO</u>	<u>JEEP'</u>	<u>JIMMY</u>	<u>CRUISER"</u>	<u>ROVER'"</u>	<u>SCOUT II</u>
Unloaded Weight	3600 lbs.	3200 lbs.	2900#	3800 lbs	3600 lbs.	2900 lbs	3000 lbs.
Loaded Weight (GVW)	5000 lbs	4300 lbs	3800#	5600 lbs	4700 lbs	4200 lbs	4300 lbs
Fuel Tank Capacity	21 gallons	12	16.5	21	18.5		19
Base Price	\$3400	\$3600	\$2900	\$3300	\$3500	\$3700	
Sticker Price	\$4200	\$4100	\$3500	\$4000	\$3700	\$4000	\$4000

' Jeep model only - do not confuse with Jeep Commando.

" Toyoto Land Cruiser - hardtop model.

'" Land Rover

* minimum specifications

No matter what four-wheeler you may purchase, all models are more expensive to buy, maintain and service, when needed, than that of two-wheel drive vehicles. Of those owners interviewed, the Land Cruiser owners seemed happiest with their vehicles with respect to gas mileage, off-road and on-road performances, standard equipment (many items, optional for most four-wheelers, are standard in Land Cruisers), handling, riding comfort, low maintenance and excellent, but infrequent, servicing at Toyota centers.

Roland Vinyard (IOCALum, UDOC, UConnOC)
Alan Brooks (IOCALum, UDOC, NCSOC)

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HINTS FOR BEGINNING CLIMBERS, PART I

Climbing is considered a sport by climbers, a way of life by fanatics and suicidal by non-climbers. Your adherence to the following simple hints will probably not make you a great, or even a good climber, but it will help to make the sport fun for you.

1. There are no social distinctions in climbing. Wealth or position count as nothing. There are only (1) leaders and (2) frustrated leaders, or followers.
2. Contrary to common belief, the rope is not thrown, shot or lassoed up the cliff. It gets there because it is tied to the intrepid leader. So are you.
3. A leader personally reserves the privilege of tying the rope about the waists of all females climbing with him. The trip leader reserves the right of checking ropes tied around all females.
4. It is considered good form while climbing not to knock rocks down. If you insist on doing so, your leader will ask you to retrieve and replace them as we do not wish to rebuild the cliff before using it again. If the rock you do knock down hits a climber below, you will be expected to retrieve and replace him in so far as possible.
5. You will please refrain from drinking alcohol while engaged in climbing. Under no condition may you do so without first offering it to your leader.
6. Luncheon on Sunday will be served on the rocks, if you carry it to them. If you don't get hungry every day, this is a good one to skip.
7. The number of bathrooms here is limited (incidentally, there are none on the cliffs). The management, and every last one of the 25 other climbers, will keenly appreciate your conducting yourself while there with the utmost celerity consonant with beauty and comfort.
8. It is judicious not to brag in advance to your fellow climbers and leaders about how you climbed the Matterhorn one-handed in a raging storm. Let them ask you. Pride is said to go before a fall, and in climbing, it goes after, as well.
9. Don't be dismayed if the leader of your rope is a young mother. She isn't yours.
10. The simplest and most inclusive rule for good climbing technique is this: always treat the rocks as you do the office wolf (or siren) at the Christmas party. Try to keep at arm's length.
11. Please try to remember that, while on the rocks, your rope leader is an unquestioned authority. This rule is without exception, even if you think you're better than him, or are married to him, or both.
12. There is no rule against bragging about your exploits when you return to your earthbound associates on Monday.

David Millar (from The Armchair Mountaineer)



National Outdoor Leadership School

Box AA

Lander, Wyoming 82520



TEACHING PEOPLE HOW TO ENJOY
AND CONSERVE THE WILD OUTDOORS . . .

WINTER COURSES IN THE WYOMING
MOUNTAINS AND IN BAJA CALIFORNIA,
MEXICO

An Invitation to Outing Clubs from Paul Petzoldt, Director and Founder of the NATIONAL OUTDOOR LEADERSHIP SCHOOL, Lander, Wyoming.

The fact is that the number of people seeking recreation in the wild outdoors has been increasing rapidly in the past few years. All signs indicate that this increase will continue.

This surge of people poses a serious threat to the beauty of America's outdoor recreation areas. A large proportion of wilderness users are despoiling the land by leaving a trail of litter behind them. They are camping and building their fires in the wrong places and in the wrong ways. In most cases these people are well-intentioned, but misinformed or not informed at all.

How to manage and preserve our public recreation areas for the greatest benefit to the American people is a question which all conscientious outdoorsmen must face. Two possible answers to this problem are inter-related: (1) the education of the American people as to the proper use of wilderness areas, and (2) control of the people who are admitted to these areas.

Education in practical conservation is critically needed. This should be stressed in a nationwide recreation plan and all schools throughout the country should be encouraged to provide instruction in this vital subject. More research should be devoted to the subject of practical conservation. This would include a code of conduct in the wild outdoors.

The number of people that any wilderness area can accommodate depends on how well the people using the area are trained in the use of the land. A handful of people, ignorant in this respect, can do more damage to the beauty of the land than hundreds of people who have been properly trained in camping techniques which do not mar the land. It seems reasonable, then, that if access to wilderness areas has to be restricted, some priority should be given to those people educated in the correct use of the land.

Since its founding in 1965 as a non-profit educational institution, the National Outdoor Leadership School has been teaching people, especially young people, how to get along in and enjoy wilderness areas while protecting and conserving them. It uses no buildings for classrooms - only the great outdoors.

NOLS is ever alert to preserve the delicate ecosystems of the areas in which it operates. Groups are careful to leave no fire scars and to keep lakes and streams pure.

NOLS would like to share its methods of practical conservation with you and your outing club, perhaps to teach you something, perhaps to learn from you. In January, February and March of 1973, we would like to put two of our instructors "on the road" to set up model camps and discuss and exchange ideas on practical conservation at various universities with anyone who wants to talk.

If you are interested, write to us: National Outdoor Leadership School, Box AA, Lander, Wyoming 82520. Together we can work to educate our friends and save wilderness areas.

IOCA ACTIVITY REPORT - CONSERVATION

NIXON-McGOVERN ENVIRONMENTAL RECORDS OFFERED BY LEAGUE OF CONSERVATION VOTERS

The League of Conservation Voters has prepared booklets giving the environmental profiles of President Nixon and Senator McGovern. Neither candidate is endorsed and no attempt is made to grade or score them. There are "factual summaries of their past records."

The profile of President Nixon costs \$1.00 and Senator McGovern's profile costs 50¢.

The League also has Voting Charts showing how your Congressmen and Senators voted on critical environmental issues. These charts cost \$1.00 each. Order all materials from: League of Conservation Voters, 324 C Street, S. E., Washington, D. C. 20003.

The League is a national campaign committee that supports candidates with outstanding environmental records and works to defeat those whose policies are destructive to the environment. In 1970, the LCV endorsed a slate of 22 candidates and 16 of them won. It sought to defeat four incumbents, three of whom lost out.

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INTERCOLLEGIATE OUTING CLUB ASSOCIATION

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Remember the book, The IOCA Songfest? Well, it's back in print! Now titled The New Song Fest Deluxe, it contains words and music to 30 contemporary songs not found in the earlier editions. Crown Publishers offers a 40% discount to all outing clubs that order 25 or more copies. Single price is \$2.95 and this new edition is designed for campfire use, having a hard glossy cover and a notebook binding. Now you can spill things on it and bend it backwards without damaging it, so it'll survive most outings, as opposed to the older editions. Edited by Dick and Beth Best, the New Song Fest Deluxe can be ordered from:

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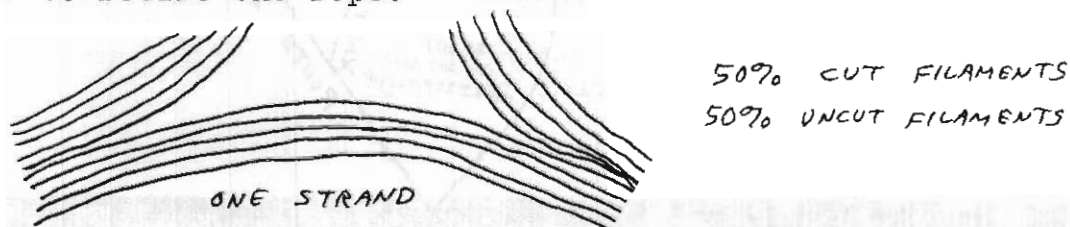
And don't forget that 40% discount, clubs!

IOCA ACTIVITY REPORT - CLIMBING

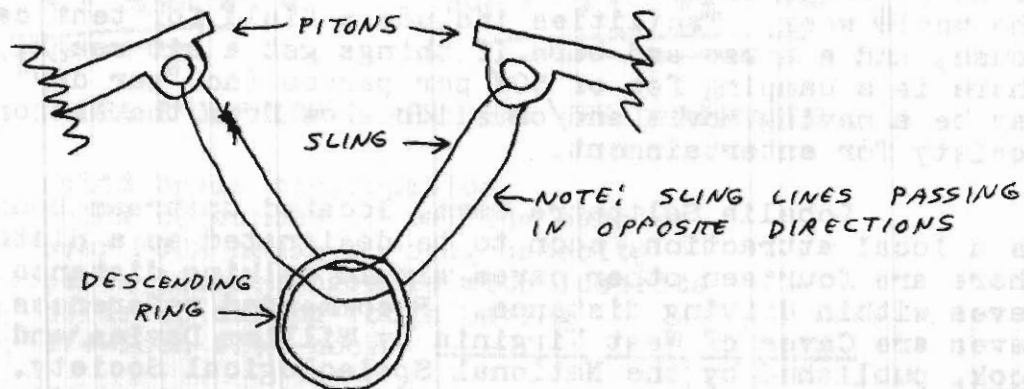
RECENT DEVELOPMENTS IN CLIMBING

Two items that appeared in the May, 1972 issue of the Mountain Safety Research Newsletter (published by M. S. R., Inc.) are of interest to all beginner and experienced rock climbers . . .

Life of Climbing Ropes. As most climbing manuals will tell you, a climbing rope should be retired after 100 days of use. A handier method of assessing the life of your rope is to inspect the filaments, which produces fuzz on the rope when severed. Examine the base of the fuzz with a 10X magnifier and determine the ratio of cut filaments to uncut filaments in each strand. When this ratio is 50/50, the rope will only have about 70% of its original strength. This is the time to retire the rope.



Load-Sharing Anchor Sling. In Mountaineering - Freedom of the Hills (published by the Seattle Mountaineers), there is illustrated an elaborate method of rigging up load-sharing slings on a 3-piton anchor. This technique is correct, but difficult to remember. An easier method is below:

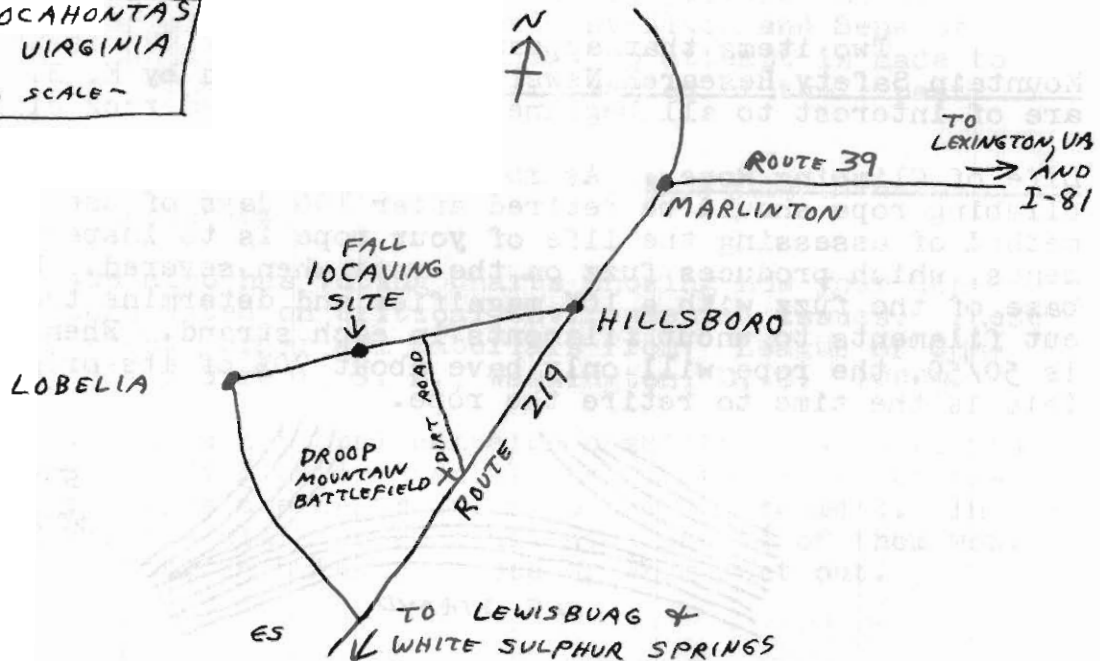


The only point to remember is that the two lines (sling) coming from a piton back to the descending ring must go through the ring in opposite directions. Then, if a piton comes out, it will not go through the ring. Practice this technique at home to be sure you understand, if necessary. The sling can go to as many pitons (anchors) as desired.

IOCA ACTIVITY REPORT - CAVING

FALL IOCAVING 1972

SOUTHERN POCAHONTAS
COUNTY, WEST VIRGINIA
- MAP NOT TO SCALE -



FALL IOCAVING 1972 will be held at Pete Hauer's farm in the southern portion of Pocahontas County, West Virginia during Thanksgiving week, November 20-25. Feel free to attend for a couple of days or for the whole week. Facilities include a field for tent camping, an out-house, and a house and barn if things get a bit rough, weather-wise. There is a camping fee of 50¢ per person (no "per day" rates) and there may be a caving movie and/or slide show from the National Speleological Society for entertainment.

Lobelia Saltpetre Cave, located upstream behind Pate's barn, is a local attraction, soon to be designated as a Historical Site. There are fourteen other caves within walking distance and several major caves within driving distance. Recommended references for the area caves are Caves of West Virginia by William Davies and 1970 NSS Guidebook, published by the National Speleological Society. There will be copies of these publications available for your reading during FALL IOCAVING.

Non-cavers and exhausted cavers may be interested in other points of interest in the FALL IOCAVING area. The Droop Mountain Battlefield is just a quick dash from the farm and within driving distance are numerous State Parks and the Cranberry Bogs Wilderness Area.

DIRECTIONS TO FALL IOCAVING:

IOCA ACTIVITY REPORT - SCUBA DIVING

Use the above sketch map as well as a reliable road map (not to mention a reliable road map reader) to arrive in Hillsboro, West Virginia. In Hillsboro, turn WEST where a redsign says "Lobelia". Go down the road for about five miles - the farmhouse is on your left if you've been coming from the north (Hillsboro) with a garage-like structure on the other side of the road. Please do not block the driveway.

I would appreciate it if you outing clubs and IOCALums would write me at 127 South 27th Street, Apartment A, Harrisburg, Pennsylvania 17103 and let me know approximately how many I should expect from your group - but it doesn't matter a great deal since you can come unexpected as well . . .

See you during Thanksgiving, if not sooner!

Caa-ooo-wah!

Ellen Snyder
IOCAving Chairman

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IOCA ACTIVITY REPORT - SCUBA DIVING

ANNUAL IOCA FLORIDA DIVING TRIP

Yes, friends - once again those weird people from North Carolina are planning a spring diving trip. And, once again our base camp will be at Pennekamp State Park, the underwater state park at Key Largo, Florida (yes, the campsites are above water!). Pennekamp is the nation's only underwater park and is famous for its clear water, extensive coral reefs, and plentiful sea life.

Obvious activities will include SCUBA and snorkel dives, swimming, boating (both sailing and canoeing - sorry, no white-water fun, although surf canoeing is available) and developing 100% Florida sun tans. Please note that awards will be given at the end of the week for best tan and most unusual sunburn.

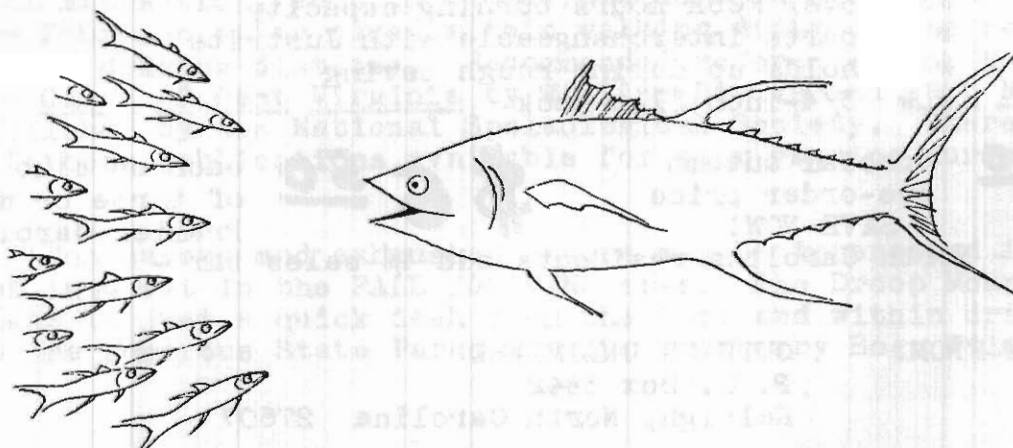
And, of course, there is the famous outing club NIGHT LIFE! Last year's trip featured swinging through the mangrove swamp, impromptu IOCA songfests, fly fishing for crab and lobster, shark hunting (sturdy, waterproof cameras required) and nightly exhibits of racoon wrestling and playing "keep away" with your food and the same racoons.

The next Florida dive will also include the possibility of another group spending time in the Everglades National Park. All of which will take place the week of March 2-12, 1973. Interested clubs and alums should contact me at 517 Torton Circle, Apartment 21, Raleigh, North Carolina 27606 if you need directions or other information. I'd like to hear from you anyway, if you're planning to attend, so that I'll have some idea as to how many and who to expect.

See you underwater . . .

Caa-ooo-wah!

REYD DOTSON
IOCA Diving Chairman



Courtesy Audubon Magazine

"Remember, children, some mercury each day keeps the fisherman away."

CLUB IMPROVEMENTS

FUNDS

Funds are vital to sustain the growth of an outing club. A club budget in a year of stable membership mainly serves to replace and repair equipment as it wears out, and maybe buy a few new items. With growth, present equipment must not only be maintained, but new equipment must be added. If active membership should double, budget requirements will more than triple (a doubled membership needs twice the equipment, which means maintenance and replacement doubles. Since new equipment costs more than repairing old equipment, budget needs are more than tripled). However, when you have supplies for your expanding club, your money needs again fall to replacement and repair costs.

Of course, most clubs have some sort of dues system to help meet financial needs. However, you may find that charging dues right away will prevent many students from trying out your club. Dues should be deferred until, perhaps, the third outing so new students can become familiar with the club without obligation.

There are other sources of income available to the outing club. The Student Government or some agent of that body may allocate funds to activities and programs. Here a club can usually get a budget if a great deal of effort is expended to secure an allotment. Club leaders must decide that no matter what the roadblocks are, there can be no compromise with safety. Using old worn rope for climbing or caving cannot be tolerated. Just enough equipment for safety is not really enough, either. Comfort is also important. If little comfort can be provided, members get edgy and disgruntled, challenging leadership more. This kind of attitude is conducive to accidents. Tents are needed to protect food and firewood at least. A wet group with soggy food and no fire is hard to manage. Shelter and good food should be secured as soon as possible. It is the responsibility of a good leader to get funds somehow. The best way is probably through the student government or whatever committee distributes funds on campus. These budget committees cannot be expected to give too much to a small club, but a large club should have a chance if the officers are persistent enough. Since funds will not be forthcoming until after expansion and since new members cannot be accommodated without new equipment which requires funds, expansion might seem impossible. This vicious circle can be broken, but there is a risk. As new equipment is needed, it should be purchased. Purchases should not be made if there is a chance that even one extra item will be purchased, though. A club cannot grow by turning students away, nor can trips with insufficient equipment be run successfully. Spending during expansion should be only for absolute necessities only as they become immediately needed. Deficit financing is about the only way to gain a large enough membership to get funds for that membership.

"A college or university just can not be a complete institution of higher education without having an active outing club . . ."

Henry Hobson at '72 Conference

There are other ways to earn income for the club. Charging a bit more than trip costs (say 5¢ or 10¢ more per person) can bring in a few dollars each trip which, after a time, can be used for equipment or to cover any deficit outings. If trips involve ten or more members each weekend, a 5¢ or 10¢ charge can mean an extra fifty dollars each year. Making money on trips is very difficult because the slightest price increase hurts attendance too much. However, 5¢ or 10¢ is small enough, but does add up when ten or more members attend trips each weekend.

Another way to get some minor income is to rent the club equipment out to members and others who need them. A small charge is not at all unreasonable and will prove helpful in financing repairs or replacements in the future.

LEADERSHIP

Maintaining a good core of leaders is a constant problem in any organization. The many and varied skills necessary for outing club leadership makes this problem even more acute. A larger club has a smaller problem in this area, of course, but size alone won't solve the problem entirely. The officers of the club can spur the development of leaders among the freshman class by using appointive posts. These posts can be filled with promising younger members as soon as they appear. If at all possible,

appoint the youngest capable student for any such office. When spring elections come, there will be several trained freshmen and/or sophomores to join the elective leadership. This way, the officers will not graduate all at once and leave the club leaderless. Continuity can be assured this way.



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- from Information for Small or Inactive Outing Clubs, by Alan Brooks and Friends. I. O. C. A., 1970

When Answering Advertisements

Mention THE IOCA BULLETIN

IOCA SONGFEST

SWEET LOUISE FROM STATE

I'll tell you a tale of sweet Louise from State,
With hair like a rat's nest, she climbed the 5.8
It's any girl's right of a husband to dream,
But tell me, kid, isn't that somewhat extreme?

Avertical friction pitch? Nothing at all!
With feet big as snowshoes, she hops up the wall.
She slaps those big feet on and thus climbs on up,
The sound of this process? A frightening schlup, schlup!

Big Lou just for fun a tough 5.10 lead tried.
She was feeling so good that she did it untied.
A most charming slip and a Tarzan-like call,
But hark! She died for the salvation of all!

(sung to the tune of "Sweet Betsy from Pike" and to the
beat of jangling climbing hardware)

CLIMBER'S DREAM

Last night as I lay below Seneca,
And looked at the stars in the sky,
And I wondered if ever a climber
Could prussik to the heavens on high.

The climb to that bright happy region
Is a tough, narrow pitch, so they say;
But the broad one that leads to below us
Is posted and blazed all the way.

They say there'll be one final lead climb,
And climbers like boulders will stand,
To be belayed by the Climber of Judgement,
Who is anchored and knows every man.

I wonder if ever a climber
Stood ready for that Judgement Day,
And could say to the One Climbing Leader,
"I'm here - let me prussik away."

(sung to the tune of "My Bonnie")

The above two songs were sent in by
the North Carolina State Outing Club,
Raleigh, North Carolina

CLUBBLURBS

from the TEMPLE OUTING NEWS, June 1972, Temple Outing Club:

(Editorial) The only event worth reporting was the demise of the old traditional, time-tested patch of the Temple Outing Club and the replacement of the new unproven patch of ill-design. Many IOCA's love and recognize our old patch with the familiar interwoven TOC in a triangle of red. The new patch contains an owl, symbol of Temple University's repressive forces against TOC's much needed funding. This is the first subversive attempt by administrative forces to overtake our freedom and liberty as a club.

The next event will probably be . . . the elimination of our beloved patch chairman (who was one of the few who were able to withstand the conspiracy of guilt and vote without fear for the beloved TOC Triangle).

from the PUCKERBRUSH, February 1972, New York U. Outing Club:

The February 12 Wyanokie hike was quite successful, with a large turnout and beautiful winter weather. The high point of the trip was a snowball fight on Wyanokie High Point. That is, the High Point . . . never mind. Anyway, whoever filled Robert Roth's hat with snow shouldn't think he got away with it - an investigation into the matter is preceeding, and a breakthrough is expected soon. The culprit is guaranteed a ghastly fate.

'Can a natural environment be retained?'

Bulletin Board

- FOUND - one sleeping bag mistakenly transported away from the Wilson Outing Club cabin after Spring Wilson square dance weekend. Owner should write and describe bag. Alan Brooks, Department of Entomology, N. C. State U., Raleigh, N. C. 27607.
- FOR SALE - SCUBA tank and regulator, good condition. Best offer. Morgan Sommerville, c/o N. C. State Outing Club, University Student Center, P. O. Box 5217, Raleigh, N. C. 27607.
- FOR SALE - IOCALums Products List, an outing clubber's guide to backpacking, climbing, canoeing and caving equipment and clothing. 50¢ from Roland & Anne Vinyard, RFD #2, Box 295, Mansfield Center, Connecticut 06250.
- FOR SALE - Subscriptions to the IOCA Bulletin. 50¢ for a whole year's excitement! Barbara Rabold, Managing Editor, IOCA Bulletin P. O. Box 5262, Raleigh, North Carolina 27607.
- WANTED - black & white photographs of College Week, Southern College Week, etc., especially of IOCANs in action (or semi-action). Jill Clawson, Photo Editor, IOCA Bulletin, P. O. Box 5262, Raleigh, North Carolina 27607.

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is YOUR
Land

BEND A
LITTLE-
PICK UP
A LOT.



KEEP IT CLEAN!

? WHAT'S COMING IN THE WINTER IOCA BULLETIN ?

* ARE TREES EFFICIENT AIR PURIFIERS?

* Hints for Beginning Climbers, Part II

* Pitonis

plus articles on caving, climbing, winter backpacking, SCUBA diving and all of the regular features and columns . . .

Don't forget - December 9 is the deadline for sending in your articles, photos, news, advertisements, notices, etc., etc.

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