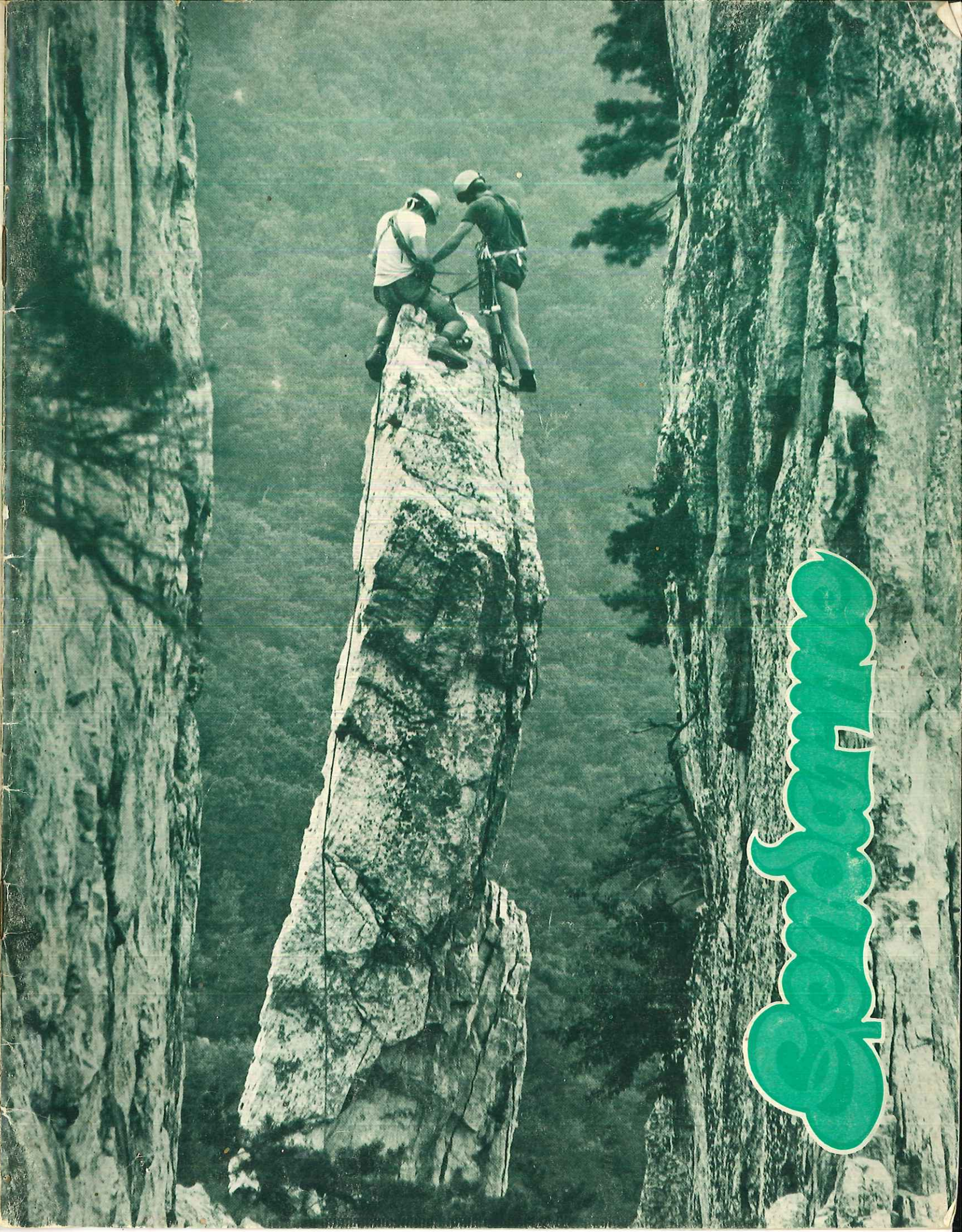




**Gendarme**

Thanks  
to all of you who helped us put this first  
issue together. Especially: Bill Molney for the  
use of his photo for the cover; Nina Knapp for  
her beautiful line drawings; Doug Bishoff for the  
dark room work; and Tom Morrissey, Ed  
Bennett, Bill, Celia, Terry, Eric and Barb.



**Gendarme**

**The Gendarme**  
P.O. Box 53  
Seneca Rocks, W.Va. 26844

**BULK RATE**  
U.S. Postage Paid  
The Gendarme  
Permit No. 001  
Seneca Rock, WV  
26884



# Hello...

The Gendarme began as an off-the-wall idea, operating out of the trunk of a car, that was supposed to be a foolproof way to finance personal climbing gear. If any blame is to be placed, I guess I'm the one to take it since I perpetrated the whole idea on myself, wife, friends, and family.

Steve Richards (who conveniently owned a VW bus) came into the picture in the Summer of 1971. Armed with dealerships from Chouinard, and Ed Leeper, \$3000, Steve's bus, and a hot wire to cut webbing which ran off the bus's battery, the Gendarme set up shop on weekends at the Pavillion (Buck Harper's campground) with Seneca Rocks as a back drop.

It didn't take long to out grow the VW bus. Where to grow to was the problem! We found what we thought to be a good location just north of the Post Office at Mouth of Seneca on the west side of Rt. 28. Only one problem —there was no building there.

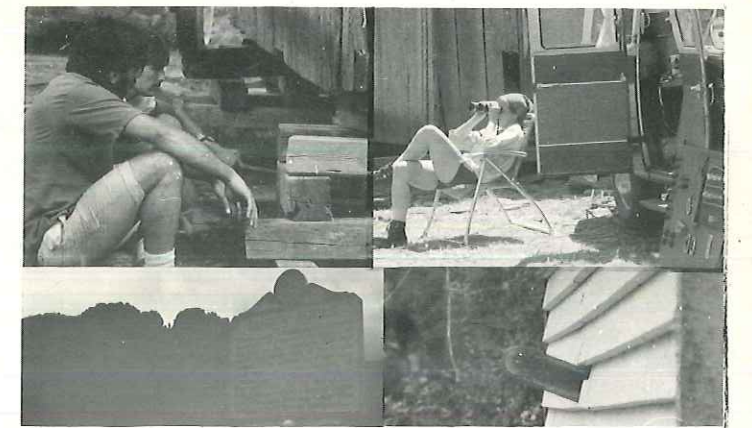
Bill Marple, the landowner, not to be daunted by minor details, decided to move in a building. Bill bought a group of buildings at an auction on Forest Service land that had to be removed. After acquiring some basic tools, like ten ton jacks, a bulldozer, log truck, etc., the better part of the summer was spent moving buildings. Two of them were deposited on cribbing along side of Rt. 28 to ultimately become the first home of The Gendarme. It took a lot of jacking around and some basic carpentry work but by Fall 1972 the old Gendarme had its door open.

Along the way Steve decided to design (he'd been at it for a while) some chocks. Referred to variously as "Steve's Stones" or Gendarme Wedges, we proceeded to crank out the final designs in the back room workshop — long hours, low volume, but a beautiful product. We even had some Western dealers since all that was available at the time was the MOAC wedge and the old Clogs with one dimension and one hole drilled through them.

As the cash flow got better, the shop grew through the early seventies along with the number of climbers visiting the area. As of the Spring of 1973, Steve decided to phase out of the shop and worked his way to Cass, W.Va. where he opened a craft shop with Wendy and eventually moved to the Northwest (that's Steves' story).

Enter Bob Livingston. Bob came to West Virginia from Ohio, via Colorado; Crest Butte to be exact. We'd climbed together for years on and off. Bob had Marilyn in tow (or vice versa) and proceeded to settle in. A partnership was formed and the family expanded (as it ended up we married sisters) at about the same time.

The old shop developed some security problems about 1975. With several break-ins occurring (the SOBs even stole the rescue gear once); it was time to move.



Land around Seneca Rocks was, and is, tight. The USFS had been stealing lots of land (condemning it for the NRA) and potential shop locations were few indeed.

After looking around in vain for a location, we entered into our current relationship with our present landlord, Bardon "Buck" Harper. Our new building was built under Buck's watchful eye and operations began at the new and present location in July, 1976.

Sometimes we wonder how and why, but we're still here — just south of Buck's old country store at the junction of Rts. 33 and 28 at Seneca Rocks, W.Va.

Although we've grown some in the last eight years, we still adhere to our original principles of selling quality equipment at the best price we can to discriminating outdoors people. We also like to think we provide a needed service for the climbers, cavers, backpackers, and others who visit our area by providing not only quality gear but also knowledgeable information and advise on equipment and the area. The need for it is unfortunate, but we also serve as the focal point for technical rescues on Seneca and other rocks in the area.

In so many words, that's the Gendarme story. We'd lastly like to thank our many friends and customers, old and new, for doing business with us. You have helped make the Gendarme what it is as much as we have. If you're around Seneca Rocks, W.VA., be sure to stop by for a chat, a game of darts, or whatever, as our shop is a casual and congenial place.

We hope you enjoy this, our first catalog. We look forward to seeing or hearing from you and wish you. . .

Safe and pleasant outings,  
John & Bob



## The Seneca Rocks Climbing School

The Climbing School attempts to give the climber the sound knowledge of skills needed to participate in rock climbing. Courses range from two to three days in length. The cost is \$40.00 per day for a two-and three-day course. Meals and lodging are not provided. The tuition includes instruction, equipment and insurance.

The **BASIS ROCK CLIMBING** course is for those people who have had little or no previous climbing experience. The course will prepare the student to climb as an experienced second on a rope. Basic knots, equipment, belaying and rappelling techniques, anchors and rescue are all included in the Basic Rock Climbing Course.

The **INTERMEDIATE ROCK CLIMBING** course is for those people who have some experience in rock climbing and would like to start leading. The course will consist of chock placements, anchors, rescue, judgment and route finding. The student will be given the opportunity to lead selected climbs. ALL COURSES ARE LIMITED TO A MAXIMUM THREE STUDENTS PER INSTRUCTOR.

Each course begins at the Gendarme at 9:00 a.m. each day.

For more information and/or to enroll in a course (select dates, make check payable to Seneca Rocks Climbing School, and mail to), please write

SENECA ROCKS  
CLIMBING SCHOOL  
SENECA ROCKS, WEST VIRGINIA 26884  
314-567-2600 (Gendarme)  
703-474-2335 (Home)

## Meet Our Staff

**John Markwell** is the Climbing School Director. John received a BA in Education with a minor in Anthropology from Ohio State University. He has climbed extensively throughout the United States (North Carolina, Colorado, Montana, Shawangunks, Titons and Yosemite). He has been climbing at Seneca Rocks since 1967. John has served as a safety consultant for North Carolina and Minnesota Outward Bound Schools. He has instructed numerous courses on rescue and evacuation for rescue squads and outdoor programs.

### John Gregory

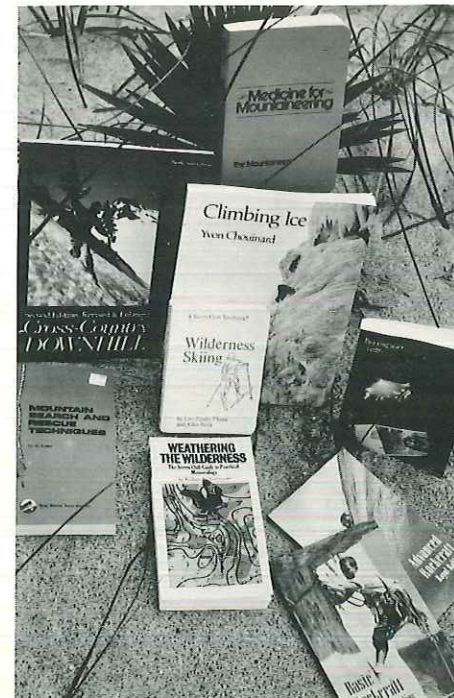
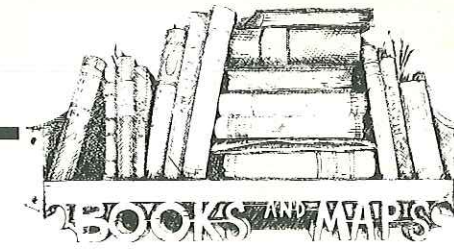
John has climbed at most eastern crags and in the Rockies. He has several years experience as a climbing guide teaching not only rock climbing fundamentals but also courses in leading free and aid climbs, ice climbing, big wall rescue techniques. He has served as a consultant to equipment manufacturers and climbing schools and is the author of **Climber's Guide to Carderock**.

### Peter Absolon

Peter is twenty years old and a student at George Washington University. He has spent the last five years climbing on most of the prominent crags in the east; The Shawangunks, Cannon Mountain Cathedral Ledge, and of course Seneca Rocks.

### Mike Perlis

Mike is a student at Guilford College (Greensboro, NC) where he runs a basic rockcraft course for the college. He has climbed for six years throughout the east and in Wyoming. An avid backpacker and bike-tourer, he's also into Kurt Vonnegut.



**Basic Rockcraft**, Royal Robbins, 1971, 71pp.

Here is a good introduction into the early phases of rock climbing technique. Included are sections on belays and anchors, equipment, and descents. Probably the best and most concise source of basic info.

### Advanced Rockcraft

The companion book to the above, it expands into considerations for big walls, chock use, and seeking safe protection while leading.

**Climbing Ice**, Yvon Chouinard, 1978, 192pp.

Ice climbing has come of age, and with it a definitive treatise on the subject by one of its most knowledgeable participants. Chouinard offers excellent technical instruction combined with his personal philosophy of ethics and style. Must reading for those into, or considering climbing ice.

**Be Expert With Map and Compass-The Orienteering Handbook**, Bjorn Kellstrom, 1976, 214pp.

Any woods or mountain traveler needs to navigate. Here is a full treatment of the compass-map-terrain relationships, plus tactics for orienteering, quickly getting from point A to point B. A must for the wilderness traveler.

**Wilderness Skiing**, Lito Tejada-Flores & Allen Steck, 1972, 310pp.

The techniques of cross-country and alpine skiing can be combined to provide a great range of backcountry travels. This Sierra Club Totebook covers the basics of winter wilderness travel on skis as well as winter camping, equipment, etc. . . .

**Mountain Search and Rescue Techniques**, W.G May, 1973, 301pp.

A must for those involved in technical climbing! This work addresses the safe use of common gear for evacuations from mountainous terrain. The technical and first aid sections as well as the discussion of organization, is of prime importance and very thorough. We use this as the text for our rescue seminars.

**Medicine For Mountaineering**, James A. Wilkerson, MD., 1975, 367pp.

Described here are the traumatic and environmental injuries likely to be encountered in the mountains. Symptoms, diagnosis, and treatment are well explained.

**Cross Country Downhill**, Steve Barnett, 1980, 107pp.

Control on cross-country skis is difficult, especially when wearing a pack. Barnett's book presents possible turns, such as the telemark, with excellent text and photographs. This is a book to learn from.

**Weathering the Wilderness**, William Reifsnyder, 1980, 276pp.

This book starts with a very informative description of weather dynamics and its patterns followed by a more detailed breakdown of the countries main climatic areas. A good reference for those who would like to try to predict weather.

**Caverns Of West Virginia**, William Davies, 1965, 328 pp. & Supplement.

Davies' book was the first systematic survey of West Virginia caves. The book is organized by counties, with an alphabetical listing of the caves in each. Descriptions include several maps, geology, map coordinates, and some history. Much of the text and maps is somewhat dated due to more recent discoveries, but it remains a good general guide to the caves in the state.

**Gritstone Climbs**, (WV & PA), Webster, 1978, 37pp.

**Climbers Guide to Carderock**, (MD) Gregory, 1980, 52pp.

**A Climbers Guide to Clifton Gorge**, (OH), DeGuisseppi, 1979, 20pp.

**Shawangunks Rock Climbs**, Williams, AAC, 1980, 463pp.

**Adirondack Rock and Ice Climbs**, Rosecrans, 1976, 124pp.

**Cannon, Cathedral, Humphrey's, & Whitehorse - A Rock Climbers Guide**, Ross & Ellms, 1978, 157pp.

**A Climbers Guide to Devils Tower**, Rypkema & Haire, 1977, 80pp.

**Selected Climbs in Rocky Mt. National Park**, Dumais, 1980, 51pp.

**Guide to the Colorado Mountains**, Ormes, 1979, 344pp.

**A Rock Climber's & Scramblers Guide to the Lumpy Ridge Area** (CO), Salaun & Kimball, 1980, 192pp.

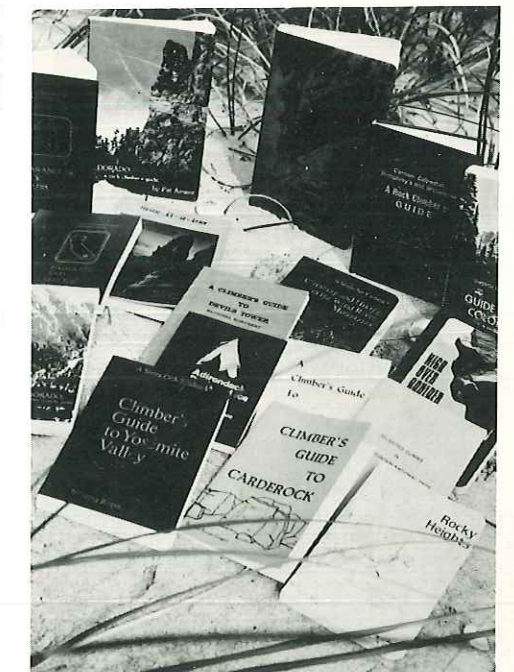
**High Over Boulder**, Ament & McCarty, 1976, 288pp.

**Rocky Heights - A Guide to Boulder Free Climbs**, Erickson, 1980, 280pp.

**Eldorado - A Rock Climber's Guide**, Ament, 1980, 164pp.

**Climber's Guide to Yosemite Valley**, Roper, 1971, 305pp.

**Tahquitz & Suicide Rocks**, Wilts, 1979, 208pp.





**Walking Softly in the Wilderness**, The Sierra Club Guide to Backpacking, Hart, 1977 Good information for veterans and beginners alike. Suggestions on equipment, trip planning, food, looking after yourself in the boonies, etc. Most areas of major concern are covered in detail.

**Baron Von Mabel's Backpacking**, Sheridan Anderson, 1980, 96pp. Baron Von Mabel and his pet sheep Bob guide the reader through the basic do's and don'ts of outdoor foot travel. Lots of good information in this Rip-Off press collection of Anderson "comics."

**Starting Small in the Wilderness**

A delightful treatment of children in the wilderness. How to prepare them for their first trips, equipment, special considerations for toddlers, etc. Must reading for you parents who want to enjoy taking the kids along instead of leaving them with grandma.

**Hiking Guide to the Monongahela National Forest and Vicinity**, (WV) Highlands Conservancy, 1977, 179pp.

The Monongahela National Forest, our backyard, offers a rich variety of topographical and biologic areas. The Forest Service maintains a very good trail system, providing much enjoyable backpacking and hiking. The guide describes well the trails in each section of the forest. A basic map illustrates the major trails and their features and also lists topos for certain areas.

**Hiking Virginia's National Forests**, Karin Wuertz - Schaefer, East Woods Press, 1980 Virginia's National Forests adjoin us, and many opportunities for backpacking exist in the areas covered by this guide. Ten areas are covered and information includes maps, access, and area descriptions.

**Hikers Guide to the Smokies**, Murlless & Stallings, 1973; **Hiking the Teton Backcountry**, Lawrence, 1979; **Hiking the Yellowstone Backcountry**, Bach, 1973; **Climbing and Hiking in the Wind River Mountains**, Kelsey, 1980.

**Seneca Rocks, (WV), - A Climbers Guide**, Bill Webster, Nippenaso, 1980, 114pp.

Here is the most recent Seneca guide, combining the most recent new routes with the old standards. Descriptions include most of the necessary route information, with sections on local services, access, etc. Photographs provide basic illustrations of the various climbs.

**Seneca**, John Bercau, Herb Leager, John Stannard, 1976.

This is a roadmap-size foldout guide which is primarily photographic, showing most routes very well. Information is limited to the name of the route and a rating. The special paper is both waterproof and tearproof. A well-written introduction explains the background and present concerns of the Seneca Rocks area as related to users of the crag.

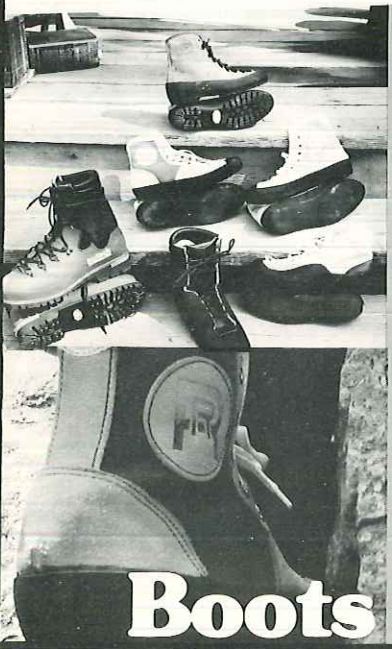
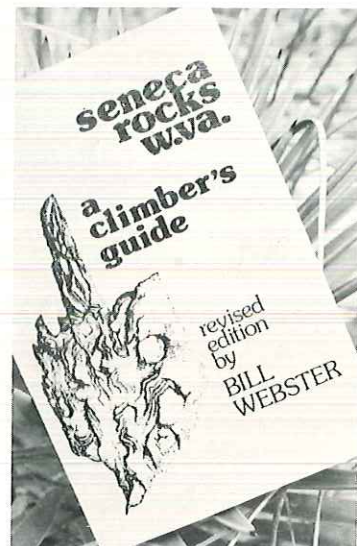
**MAPS** Monongahela National Forest Map

This large two-piece map covers the National Forest and the surrounding area. National Forest land is shown in green. Although without contours, the forest roads and trails are accurately shown and their numbers are keyed to those in the hiking guide to Monongahela National Forest. The map is handy for trip planning or locating special areas.

**USGS MAPS**

We stock 7.5' topographic maps for much of the Monongahela National Forest and surrounding area. Our maps cover the major areas for backpacking, caving, cross-country skiing, and boating. Rather than list all of the maps we have put together sets covering the most popular backpacking areas; for others please write or call.

Dolly Sods; 3 maps Cranberry Backcountry; 3 maps  
Otter Creek; 1 map Spruce Knob-Seneca Creek; 2 maps



**PAs & RRs**

Manufactured by Galibier of France, these smoothed-soled shoes are a bit stiffer than EBs with a rubber composition that is soft enough for good smearing and yet stiff enough to allow for edging on small holds. The body of the shoes is canvas with leather toe and heel reinforcement and leather ankle patches. The Robbins shoe is narrow in width and the PA is cut for those with wider feet. Sizes 3 through 12, in half size increments.

**Galibier Contacts**

An all leather shoe with a very soft flexible sole and a very low heel (nice for screen slopes). The high rubber rand completely encircles the shoe to provide good friction for jamming and to protect the shoe from wear. Definitely a more durable shoe than those of similar characteristics but made of canvas. Sizes: 7 through 12 in half sizes.

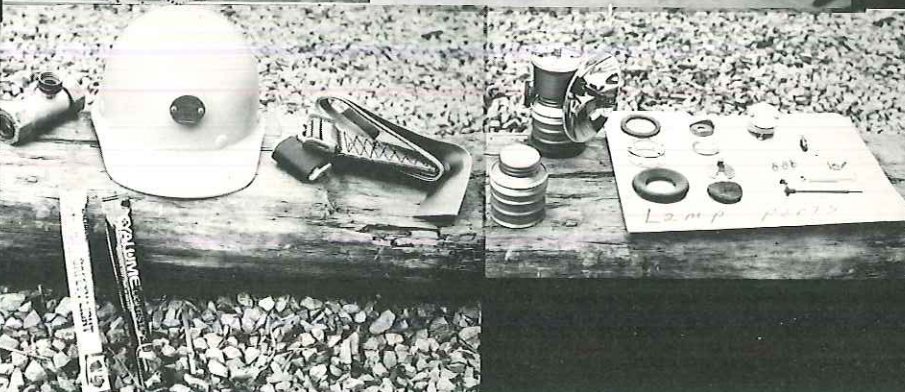
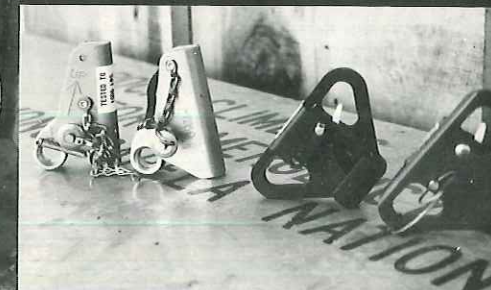
**New Asolo Chouinard Diamond**

A very well-made shoe with a canvas-lined leather upper and lugged Vibram sole with a heel. A rubber rand encircles the shoe for security in jam cracks. A very well built shoe for all types of climbing. The diamond is destined to become a classic. Sizes: 5 through 11-1/2.

**Koflach Extra**

At last, a double boot that is both light and affordable. Suitable for both general mountaineering and winter use, it is even comfortable to hike in. The lugged sole incorporates a highly resilient heel cushion to absorb impact of the heel when walking. The alveolit inner boot offers protection to -25°C and has a very effective quick lacing system. The sole is stiff enough to allow the use of rigid crampons yet is "walkable" due to the rocker built into it. Weight is only 850 grams, Sizes: 7 through 12 in half sizes. Others on special order. Available in July, 1981.

**Boots**



**Caving Rope**

Caving rope is used mainly for ascending and rappelling. Under these circumstances, a low stretch rope is desirable to reduce bounce and abrasion. A caving rope should never be used for climbing as it lacks sufficient stretch to safely absorb the force of a fall. We offer two caving ropes in any length from 50 to 600 feet.

**Bluewater II**

This is a flexible, easily handled, 7/16" rope with good abrasion resistance. It's tensile strength over a 1-inch bar with a midshipmans knot is 5700 lb. Color is tan with a blue spiral. Weight per 100 ft. is 5.3 lb.

**PMI Rope**

PMI (Pigeon Mountain Industries) is relatively stiff 7/16" rope with very good abrasion resistance. The color is white. It's tensile strength with a bowline averages 5000 lb. Weight per 100 ft. is 5.3 lb.

**Premier Lamp**

The Premier carbide lamp is the best currently available on the market. It is constructed of brass with a 4" chrome reflector, with the bottom half full of carbide, it should burn for about one hour.

**Calcium Carbide**

Two pounds of miners lamp carbide comes in a press-top metal can.

**Premier Lamp Parts**

We stock a complete selection of premier parts. Below are the most commonly needed.

- Spare Bottom with Lid and Gasket • Gasket • Felt • Felt Holder • Tip • Brush Tip Cleaner • Striker Assembly • 4" Chrome Reflector

**Fibremetal Helmet**

This is a standard caving helmet suitable for protecting the head from occasional bumps and knocks. It is not designed for protection from high impacts such as falling rocks. It comes equipped with a bracket for mounting a carbide lamp with a flat hook. One size fits all. Color: yellow.

Elastic chin strap for above mounting bracket separate with mounting hardware.

**Cyalume Light Sticks**

These nifty light sources work on the firefly cold-light principle. By bending the outer plastic tube, an inner glass container is broken and two chemicals mix. The resulting light is bright enough for walking or reading. These are great for entertaining kids also. Just attach a string and they've got a safe sparkler.

The Standard light stick produces a medium light for about three hours, then gradually dims.

The High Intensity lightstick produces a bright light for about thirty minutes, then gradually dims.

Please specify — standard or high intensity.

These make great last resort back-up lights for the cave pack.

**Rockmaster Knee Pads**

These pads can help prevent hamburger knees on those long crawls. They are padded heavy rubber with two elastic buckle straps.

**Canvas Grip**

Canvas grip is a liquid latex rubber preparation. When brushed onto coverall knees or cave packs it soaks into the fabric and dries to a flexible durable finish. 8 oz. jar goes a long way.

**PMI Rappel Rack**

The PMI is a five bar rack which is smaller and lighter than most. Friction may be adjusted by the number of bars used and as bars toward the top wear they may be rotated with lesser worn bars at the bottom. Extra bars for the PMI five bar rack.

**Ascender Boxes**

Ascender boxes, when used with a chest harness, provide a method for keeping the body close to the rope while ascending. This is known as the Mitchell system. We offer two styles.

**Gosset Box**

This box is nicely machined from aluminum. Brass thumbscrews incorporating nylon rollers allow access to the rope channels.

**Bluewater Box**

The Bluewater box is constructed from aluminum plate. Two wing nuts give access to the rope channels. The rectangular front portion contains nylon rollers.

# Clothing

## Joe Brown Shirts

Made of Welsh Flannel which, unlike American flannel, is 85% wool, 15% nylon.

The most appealing feature of this shirt is its long tail. They will truly stay tucked in.

Medium weight, rugged, three-button pullover style; the Joe Brown Shirt is available in the following sizes and patterns: S, M, L, XL.

- Red and Black check • Blue and Black check
- Red (for when hunters are afield)
- Sparkling plaid (a beautiful blend of red, green and blue).



## Peruvian Sweaters

Through a lucky connection, we are able to offer these Alpaca sweaters brought to us direct from Peru. Each is 100% Alpaca, and they are beautiful. Colors vary from tan to black with native Indian designs knitted in. Very few are alike. Sizes: S thru XL. And the arms and bodies are made long for active wear.



## Socks

We are of the opinion that you just can't beat wool socks — but good ones are hard to come by. For your comfort, we offer the following:

### North Cape Socks

The best sock we've ever come across! They are thick and cushion the foot well. Mid-calf length can be rolled down when its warm or to help keep stuff from going down your boot tops. 80% wool for warmth, 18% nylon for strength and toughness, and 2% spandex for elasticity. Made in Norway, these socks are easily good for a thousand miles of backpacking. Sizes: 8-11 & 11-13; Color: grey.

### Sized Wool Rag Socks

A medium weight wool boot sock of 85% wool and 15% nylon. The 8" tops are ribbed and fit snugly. Buy one size bigger than you think you need as they shrink some. We rate these socks at between 250 and 500 miles — it depends a lot on how clean you keep them. Sizes: 8, 9, 10, 11, 12, & 13; Color: salt & pepper grey.

### Bell-Wether Boot Socks

Made in Canada from Yarns spun from the wool of Carriedale and Montadale sheep. This is a long staple, oiled wool known for its warmth, resilience and comfort. These socks look like something you would have found in Abercrombie & Fitch a century ago. Colors are: brown heather with either tan, brown, or blue top stripe; sizes: S, M, L.



## Protogs Superwash Wool Underwear

Our protogs wool underwear is manufactured from 100% Merino wool worsted fabric. The amazing thing is it is absolutely **GUARANTEED** not to shrink when washed or dried in a dryer. If that isn't enough, it is also guaranteed **not to itch**. No kidding! Money back if it does! These garments have dual seams for durability and are comfortable in almost any temperature conditions, wet or dry. For those of you who feel you can't wear wool: now's your chance!

## Dropseat Longjohns

Although they may remind you of your grandfather, these are hard to beat for winter wear whether skiing, climbing, hiking, fishing, or whatever. Classic one piece design with a drop seat and buttons in front from waist to neck. The color is unisex red (what else) and they come sized: S, M, L, or XL.

## Wallace Berry Shirt

The standard in Westerns for years these three-button, long-sleeved undershirts are indispensable as a basis for an effective layering system. Cool in summer and warm in winter, we wouldn't go anywhere without one in our kit. Color: navy. Sizes: S, M, L, and XL.

## Forrest Snow Mitts

For a good wind and waterproof shell mitt, these can't be beat. Elastic at the wrist and cuff keep them in place. A gusset prevents the mitt from binding the back of your hand while gripping ice axe or ski pole. These light durable mittens are constructed of 4 oz. urethane coated nylon oxford cloth. Sizes: S, M, L. Colors are assorted so give us several preferences or just take a chance.

## Forrest Ulti-Mitts

For extra durability and versatility, the Ulti-Mitt features 9 oz. urethane coated nylon cordura with 4 oz. Gore-Tex on the back of the hand. The back is gusseted for flexibility. Elastic at the wrist and a buckled strap at the cuff provides comfort and security. Sizes: S, M, L. Colors: Assorted. State a preference or take a chance.

## Forrest Double Thermal Mitts

These are the warmest mittens we have found and are great for severe weather in combination with either the Snow or Ulti-Mitts. Double thermals are actually two mittens in one. The inner mitt is 40% wool, 40% acrylic, and 20% nylon, which is a good blend to facilitate wicking and fast drying. The outer mitt is 85% wool and 15% nylon for strength and warmth. The two mitts are sewn together at the cuff; however, the stitching may be removed for extra versatility. Sizes: M, L. Color: grey.

## Rag Wool Mitten

This is our standard medium weight mitten of 100% wool. It features a snug fitting ribbed cuff and plenty of finger room. Sizes: S, M, L. Color: salt and pepper.

## Rag Wool Glove

Our 100% wool glove provides an extra measure of dexterity for those folks who find a mitten too limiting. Sizes: S, M, L. Color: salt and pepper.

## Rag Wool Fingerless Glove

Similar to the wool glove, the 100% wool fingerless glove leaves the finger tips exposed for rock climbing fishing, hunting, or berry picking. Sizes: S, M, L. Color: salt and pepper.



## Bandanas

### Paisley Bandanas

These beautiful paisley patterned bandanas are 100% cotton and measure a healthy 23 inches square. They come in almost every color imaginable so give us a couple of preferences and we'll do the best we can to come close.

### Custom Screened Bandanas

Great gifts for climbers, backpackers, and other outdoor folks, but especially for kids. Cloud pattern for those interested in the weather, knots for those who can never remember how to tie them, or animal tracks for figuring what went through your camp last night. These are 100% cotton and measure 22 inches square. Colors: Tracksbrown on yellow: Clouds & Knots, navy on light blue.



## Rain Gear

### Sassafras Poncho

This poncho is seamless with a drawstring hood. The fabric is 2.2 oz. coated nylon taffeta. Snap closures and grommeted corners are provided for adjustment and versatility (57" x 86"). Color: blue.

### Sassafras Poncho With Pack Extension

Similar to our regular poncho, the pack poncho is longer in the back to afford extra protection when worn with a backpack. The extension snaps up out of the way for wear without a pack (57" x 104"). Color: blue.

### Sassafras Rain Chaps

Rain chaps are light, compact, and help keep your pants dry while walking in the rain or through wet undergrowth. The chaps attach to the belt with a tie cord and have a velcro closure at the ankle. Size: M and L. Color: blue.

### CMI Gortex Mountain Parka

The CMI is a good basic mountain parka design constructed of nylon taffeta Gore Tex. There are no seams in the shoulder area. Ventilation is provided by adjustable velcro cuffs and drawstrings at both waist and hood. Closure is accomplished by a #5 double slider talon zipper backed by a snapped draft flap. The parka has two large bellows cargo pockets behind which are hand warmer pockets. Sizes: S, M, L, and XL. Colors: rust & blue.

### Trailwise Arctic Vest

For its weight, the down vest is one of the most versatile of outdoor garments. We have used them for years for any number of activities and find it hard to embark on any trips without one stowed somewhere in the kit. The Trailwise Arctic Vest is constructed of nylon taffeta and filled with Trailwise's famous "600 fill power" down which is some of the best used in the industry today. The zipper is backed with a snap draft flap. A velcro tab seals the collar. Down-filled hand warmer pockets and a longer back panel provide additional warmth. Sizes: XS, S, M, L, and XL. Colors: blue & copper.



### Patagonia Pile

Pile garments are increasingly popular due to their unique combination of properties. The polyester pile does not absorb moisture. Once wet, the garment may be literally wrung or shaken to remove moisture and body heat will do the rest. Similarly, body moisture is wicked to the outside for disipation. In windy conditions, pile should be worn with a shell for maximum warmth. In more moderate temperatures the porosity of the garment will allow excess heat to escape.

### Patagonia Pile Jacket

The Patagonia Jacket features a full-length nylon zipper, handwarmer pockets, and knit cuffs and bottom. Sizes: XS, S, M, L, and XL. Color: tan

### Patagonia Pile Pants

The pile pants are constructed of the same fabric as the jacket. They are chest high for retention of torso warmth and must be used with clasp suspenders. The legs are left unhemmed for proper length adjustment. Oh yes, they also have a fly. Sizes: S, M, and L. Color: tan



### Patagonia Climbing Pants

Constructed of a cotton-polyester blend, these pants have a double fabric facing down the front to below the knee, and a double seat forming two velcro closure back pockets. Two traditional front pockets are included, of course. The ruggedness of these pants makes them ideal for any activity subjecting your lower half to abrasion (climbing, hunting, wood cutting, bushwhacking, etc.). The climbing pants will not shrink, and the legs are unhemmed. Sizes: 28, 30, 32, 34, 36, and 38. Color: tan.

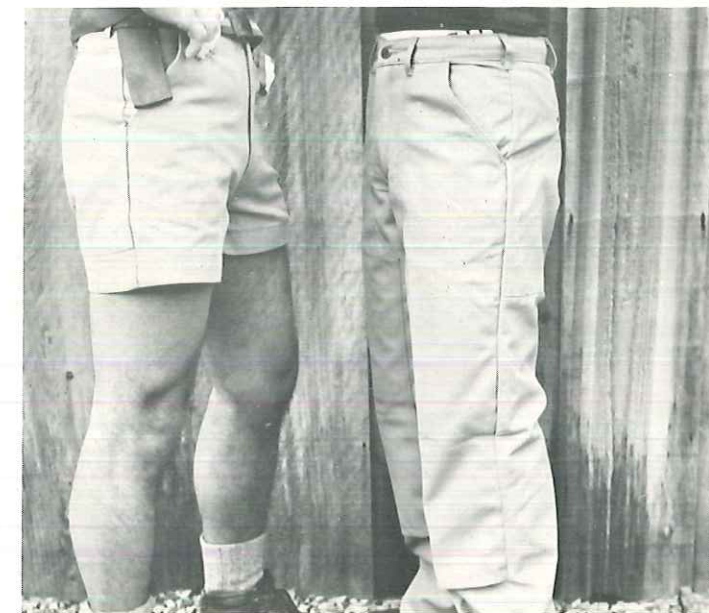
### Patagonia Canvas Shirt

You can expect to keep these shirts for a while unless you loan them to friends. The 100% cotton canvas duck is extremely durable and softens with use. Two breast pockets with a flap closure and a full button front offer versatility as well as good looks. They are securely sewn with polyester thread and will shrink about 3%. Sizes: XS, S, M, L, and XL. Colors: tan, blue and redwood.



### Balaclava Helmet

100% wool for maximum warmth and comfort, the brushed finish on these balaclavas are easy on the face and neck when pulled down against the elements. On warmer days or while hiking or climbing the hat may be rolled up watch cap fashion. One size fits all. Colors: brown, green, red, and navy.



### Patagonia Stand Up Shorts

Consistant with the quality of Patagonia canvas garments, these shorts are constructed of 100%, 11-oz. cotton canvas duck, and are cut roomy for freedom of movement. A double seat incorporates two roomy rear pockets which close with velcro tabs. Stand-ups are a truly durable pair of shorts for any warm weather activity. Sizes: 28, 30, 32, 34, 36 and 38. Color: tan and blue.

### Patagonia 100% Wool Turtle-Necks

The problem with most wool T-necks is that they are too scratchy to wear next to the skin for most folks. This one is soft! The body and neck are long. This T-neck is rugged enough for out-door wear and stylish for wear with a jacket for those dressier occasions. Sizes: XS, S, M, L, and XL. Colors: navy and maroon.



### Gendarme T-Shirts

It's fun for us to see these around the country. Even saw a fellow from New York back in the mountains in Montana with one on one time. These are screened for us by the local folks at the sheltered workshop in Petersburg for the developmentally disabled. Purchasing one helps these folks to earn and be productive. Womens french cut style in S, M, L, and mens in S, M, L, and XL. These are all Hanes 100% cotton shirts.



## Lites

### Coleman Peak I Lantern

Coleman has provided a lantern combining the proven principles of their larger models with the compact size of their Peak I stove. When bright light is required for any camping situation, the Peak I will perform with a minimum of trouble and bulk. Its 8-oz. fuel capacity provides 3 hours of light at 125 candle power. The generator and tip are self cleaning to eliminate clogging. Weight: 30 oz.

### Coleman Peak I Stove

Coleman has entered the backpacking stove market with success. The Peak I stove runs quietly and has a true range of flame adjustment from full to simmer allowing one to truly cook on it instead of just boiling water. The X-shaped pot support doubles as an effective wind screen. Three legs provide excellent stability and fold underneath for packing. An integral pump precludes the need for priming or preheating, although in cold weather conditions a flammable heating paste is recommended. The fuel tank holds 10 oz. of white gas, and the stove weighs 40 oz. when full. We have used this stove on multi-day trips in both summer and winter with excellent results and it has never let us down.

### Mallory Flashlight

This is a compact, lightweight, semi-rectangular plastic flashlight which accepts two AA batteries. While suitable for general backpacking and camping, its two-piece design precludes its use for more demanding applications; such as caving. Weight: 4 oz.

### Tekna Lites

Tekna Lites were designed originally as diver's lights, but their use also ranges to backpacking and caving. The bodies are ABS plastic, and the lenses are lexan. This combination renders them literally indestructible. The lens housing is the switch. Rotate in to turn on and out to turn off. A neoprene o-ring seal makes them watertight to 2000 feet. We stock two models:

#### Lite I

This model is the power house with a 4000 candle power beam. Its weight is 9 oz. with four AA batteries. Two styles are available.

### Rechargeable Model

Four Nicad batteries and a recharging unit offer substantial savings in the long run. The battery life is 1-1/2 hours of continuous burning. Will also take standard AA batteries if you're not near an outlet.

### Non-Rechargeable Model

These are identical to the above, but without the Nicad batteries and recharger. Four AA batteries are required for the same performance and if you like you can purchase at a later date the Nicad battery pack and recharger separately.

### Lite II

A 4-oz. mini version of the Lite I, with all the same materials and features. Two AA batteries gives four hours of continuous light. These make an ideal backpackers light or a good back-up light for cavers.

### Justrite Headlamp

Here is a heavy-duty headlamp for use when weight is a secondary consideration. The corrosion-proof plastic case holds four D-cells and has a belt clip. A four foot cord leads to the adjustable reflector unit, which is secured with an elastic headband. Weight: 15 oz.

### Tucker Jones Headlamp

For activities requiring both hands free and lightweight, the Tucker Jones lamp is hard to beat. The polystyrene aluminized reflector unit is provided with an elastic headband. The battery case holds two c-cells and a spare bulb and can easily be slipped into an inside shirt pocket for maximum convenience and cold weather efficiency. At 5 oz., this is a good design for rock climbers, mountaineers, or ski tourers who never seem to take a light because they weigh too much.

### Collapsible Candle Lantern

For those who would like a more subdued light around camp or something for those romantic interludes in the old tent we offer this nifty little candle lantern. Not overly bright but effective and very romantic it weighs but 8 oz.

### Pink Lady Candles

Light for the purist, emergency cave use, and refills for the collapsible candle lantern. Weight: 1 oz.



## Hope Cooksets

Hope cookware is finely crafted from aluminum. All components nest neatly together and the outside lid is held securely by rubber roller clamps attached to the largest pot. A zippered nylon carrying case protects pack interiors. We offer two different two man sets.

### Hope Junior

This set contains a 1-1/2 liter pot with lid, two deep bowls, and a 3/4 liter teapot with lid. Weight: 14 oz.

### Hope Mini

This set includes a 2 and 1-1/2 liter pot, each with lids, two deep bowls, and a 3/4 liter tea pot with lid. Weight: 20 oz.

### Sierra Cup

A standard for years and a merit badge in many places. This cup is made from seamless stainless steel by S.M.C. Easy to clean and almost indispensable; it comes with a light coating of oil. Wash before use, or your first cup of coffee will taste like 10W40.

### Lexan Tableware

Normal eaters will have a hard time breaking these lightweight wonders. Heat resistant, we offer: Soupspoon, Fork

### Knife, Fork, and Spoon Set

The old stand by, it's light and offers more heat resistance than the lexan. Weight: 2 oz.

### Eye Dropper

Eyedroppers are convenient for priming stoves which have no pump. This plastic version eliminates the breakage problems common to glass droppers.

## Pot Gripper

If the scar tissue on your fingers is oval and about 1/8-inch thick and sort of sore, you may need one of these. The gripper allows hot pots to be handled comfortably and with stability.

## Funnel

Perfect for filling stoves, plastic, and always lost.

## Plastic Match Safe

The reasons for this little item are obvious when you're caught in the wet without one. Striker on the bottom.

## Sigg Fuel Bottle

The Sigg has long been the standard for packing white gas. It is lightweight spun aluminum with a capacity of one quart. The Screw-on cap seals with a neoprene gasket.

## Provision Containers

Tough plastic containers for the carrying of dry condiments, coffee etc. We offer both an 8 and 4 oz. size.

## Nalgene Bottles

Linear polyethylene laboratory quality bottles that retain no tastes or odors. Rectangular: 16 oz and 8 oz. Round: 32 oz. and 16 oz.

## Austrian Flasks

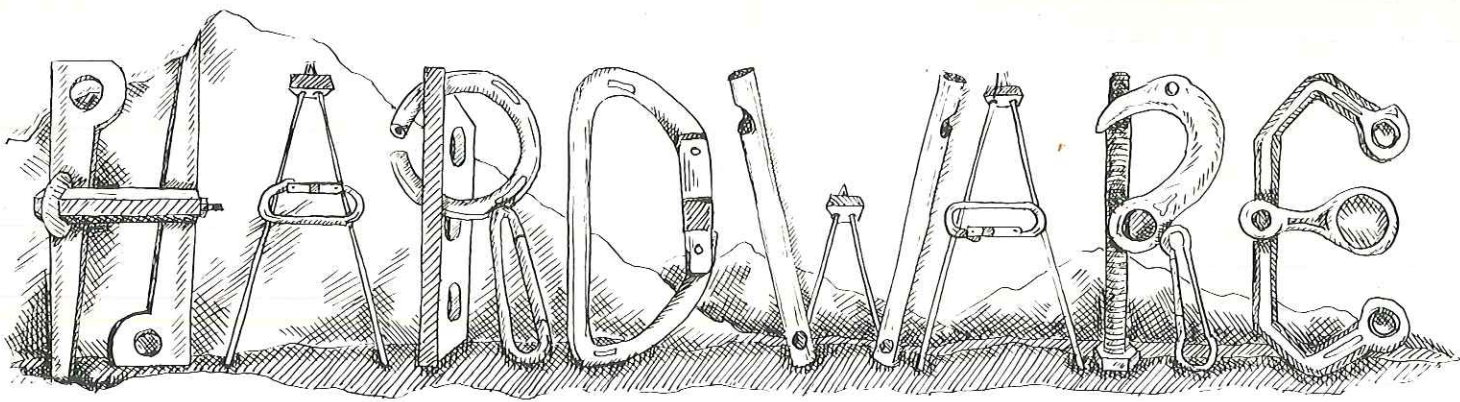
Tough poly bottles with attached tops. Sizes: 1-1/2 pint and 1-1/2 quart.

## Squeeze Tubes

For that gooey stuff that will carry no other way. These fill from the bottom and seal with a plastic clip. Screw top.

## Collapsible Jerry Jugs

For keeping a quantity of water around camp these are hard to beat. We offer a 2-1/2 and a 5 gallon size. These fold flat for storage.

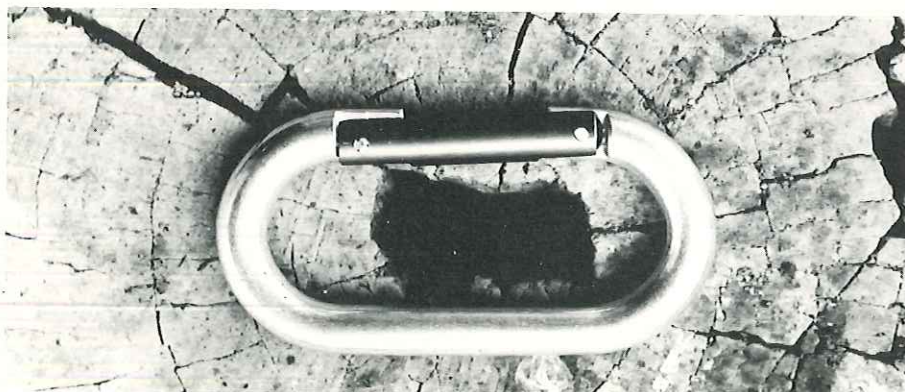


## Technical Climbing and Caving Equipment

Nothing in the text or illustrations in this catalog is to be construed as instructions for the use of technical equipment. Technical climbing and caving are by their very nature hazardous pastimes. You should seek competent instruction on the uses and applications of any technical equipment described in this catalog. We try to sell the finest and most refined climbing and caving gear available in the world today and are one of the few shops in the country who emphasize those activities and try to cater first and foremost to the active climber and caver. We realize many folks ordering from us are essentially novices in their respective activities and caution that knowledge, good judgement, and experience, are the prime ingredients to safe and successful outings. Use the equipment presented in this catalog with that in mind.

## Buying Your Rack

The best advice we can give new climbers about buying a rack is don't — at least not at first. Your best bet is to climb with folks who have a pretty good selection of hardware and use their rack until you find yourself forming preferences. Most people find they prefer to use some shapes and brands of chocks, carabiners, etc., over others. This is purely a subjective thing and often comes down to liking the feel of certain items and developing an "eye" for placing certain kinds of chocks better than others. Developing these preferences before springing for your own gear can save you a lot of money in the long run.



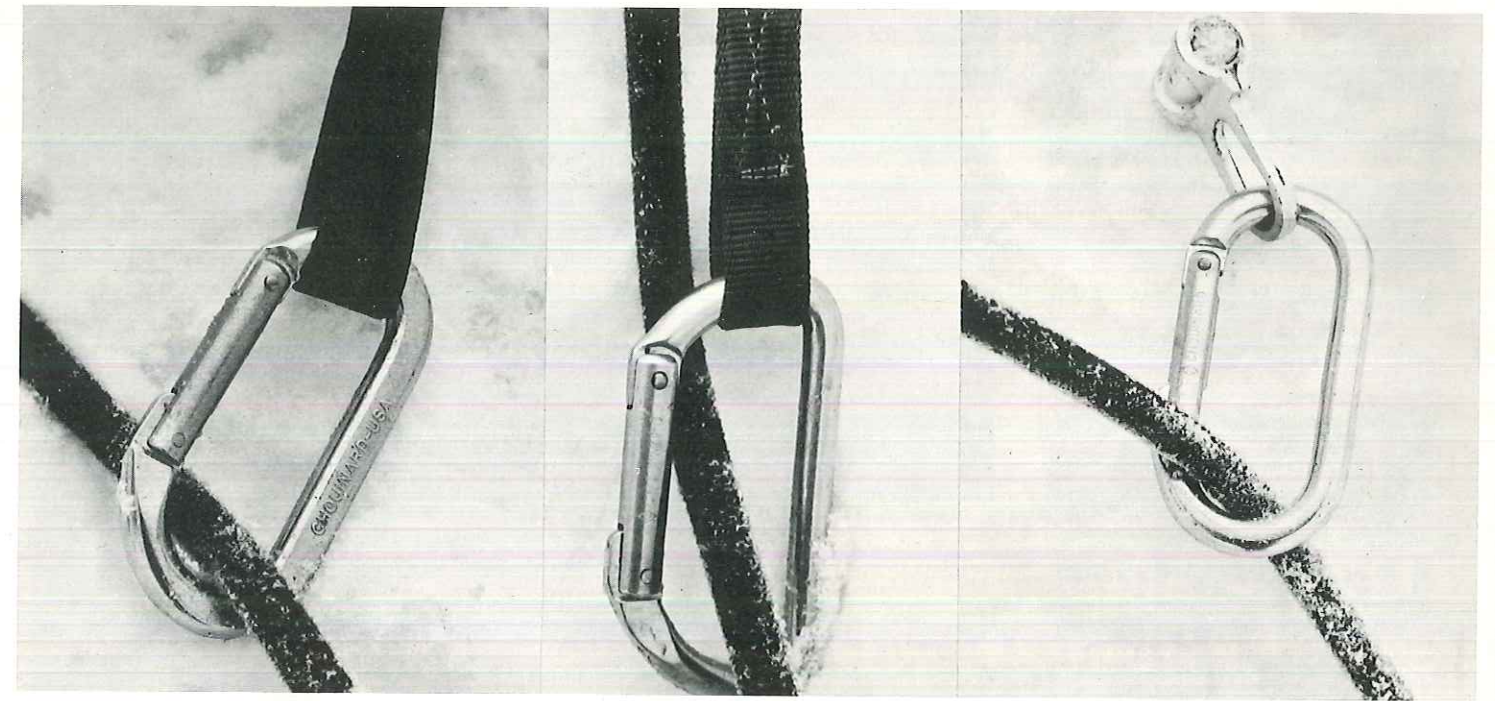
### Gendarme Classic Oval

Made in the tradition of Raffi Bedayn's original the Classic is an oval without a blind gate, a feature that is nice for clipping into many of the fixed pins here at Seneca. Strength is around 3600 lb. and the weight is 2.8 oz.

## NUT COMPARISON CHART

This chart shows the APPROXIMATE size correspondence of the nuts we carry using Chouinard stoppers and Hexentrics as the standard. Hexes measured across the points.

	1	2	3	4	5	6	7	8	9	10	11	12													
Chouinard Stoppers																									
Chouinard Hexentrics										1	2	3	4	5	6	7	8	9	10	11					
Chouinard Brass Nuts	1	2	3	4																					
RP's	0	1	2	3	4	5																			
Forrest Foxheads										1	2	3													
Forrest Arrowheads				1	2	3																			
Forrest Copperheads		1	2				3	4	5																
Campbell Saddle Wedges								4	5	6	7														
Friends													← 1 →	← 1-1/2 →	← 2 →	← 2-1/2 →	← 3 →	← 4 →							



### Chouinard Standard Carabiner

Although several generations removed from the original Chouinard design of 1958, The Standard is still the carabiner by which all others are judged. Superb handling characteristics make these a joy to climb with. Standards seem to have a special, undecipherable feel about them. Interior space is adequate to accept two etrier biners plus the rope for aid and the gate will open under body weight. These carabiners are now manufactured in Ventura and each is tested at the factory and so marked on the gate.

### Chouinard Light-D

A carabiner of the classic D-shape weighing only 1.7 oz. Ideal for those concerned about the weight of their rack but concerned about the security of hollow biners. The light Ds feature a blind gate and are of typical Chouinard quality.

### Chouinard Oval

Ovals have been around since 1949 and now Chouinard has come out with one of the nicest. With a slightly flattened body section, the Chouinard is one of the strongest on the market at 2000 kg (4400 lb.).



## Carabiners

### SMC D

A classic D-shaped carabiner, the SMC is finely finished, features a blind gate, and has a rated strength of 5000 lb.

### SMC Ultimate Oval Carabiner

With a rated strength just a hair under 4000 lb., the Ultimate Oval is a truly fine carabiner. Each lot is independently tested for strength. The Ultimate Oval features a blind gate, and has good clearance between the open gate and the corner of the frame.

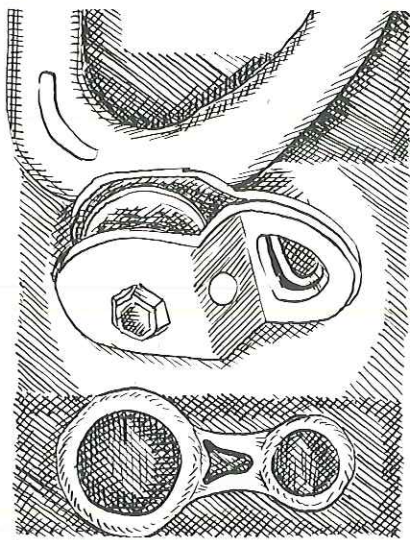
### SMC Locking D Carabiner

Featuring a removable locking collar to facilitate the cleaning of the threads, the SMC Locking D is setting a new standard for convenience. Average breaking strength is 6300 lb.

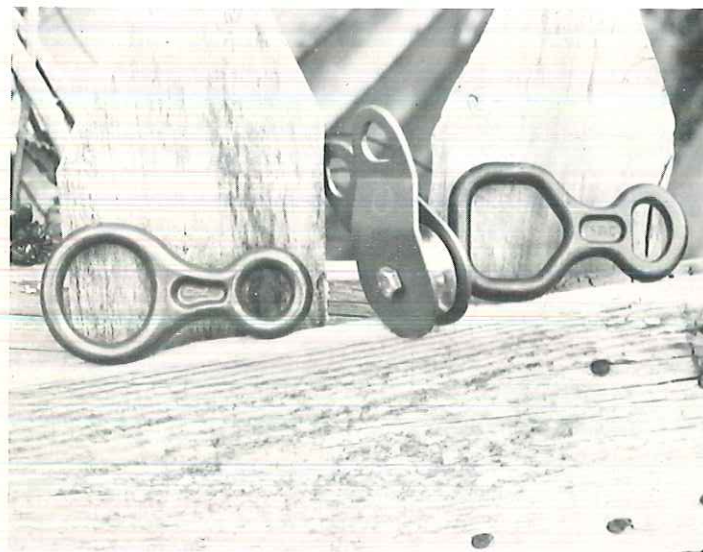
### Hog Clog

From Clog of Wales, this is the strongest carabiner in our line testing out to 3000 kg (6600 lb.). The positive locking screw gate and the large internal area of this aluminum carabiner make it ideal for climbing, caving, rescue, or any other application.





## Descenders and Belay Devices



### Sticht Belay Plates

Mechanical belay devices have pretty much replaced the old hip belay in recent years and the Sticht Plate continues to be the most popular and effective. Designed to be used with either 9 mm or 11 mm kernmantle ropes, they offer excellent braking characteristics as well as versatility. The 9 x 11 mm plate can be used as a rappel device with a 9 and 11 mm rope. These plates also facilitate an easy tie off of the rope in emergency situations. We offer two models: 9 x 11 mm without spring 9 x 11 mm with spring (the spring helps eliminate untimely lock ups on the rope.)

### CMI 8-Ring

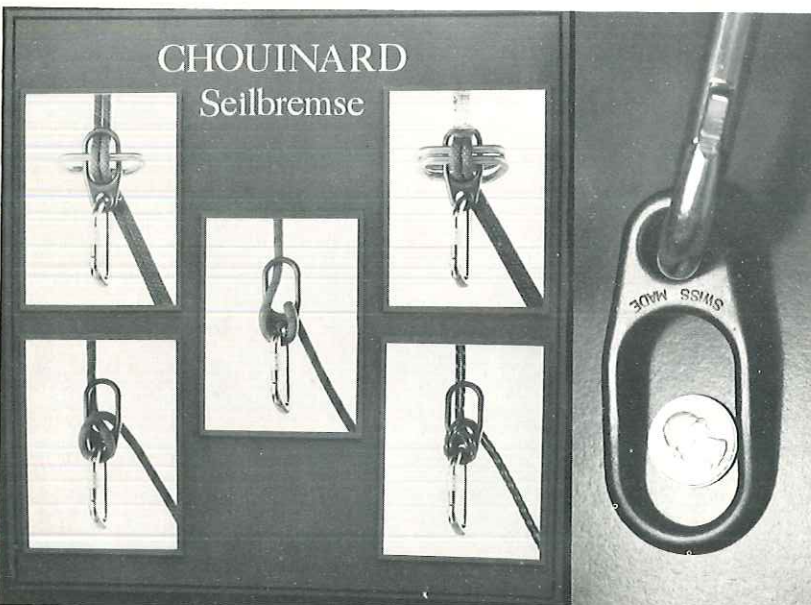
These hard surface anodized descenders seemingly wear forever unless used on muddy cave ropes. They are die forged aluminum and the strength is in excess of 10,000 lb. when pulled against the axis.

### SMC Straight 8 Descender

The main advantage of this device, aside from its rappel application, is that the smaller hole can be used to belay with in the manner of the sticht plate.

### SARA Rescue Pulley

A high-strength pulley with a bronze bushing and wide flanges. We've used these guys and they are about the best you can find for hauling or rescue work.



### Chouinard Seilbremse

A new descender/belayer from Chouinard. Made in Switzerland of die forged nickle steel, the Seilbremse is small, light, versatile, and rugged. It can be used in conjunction with one or two biners for rappelling either double or single ropes. Instructions for use as a descender or belayer are enclosed with each. Weighing in at about 2 oz., it is the smallest and lightest effective device of its kind. Available in June.



### Campbell Saddlewedges

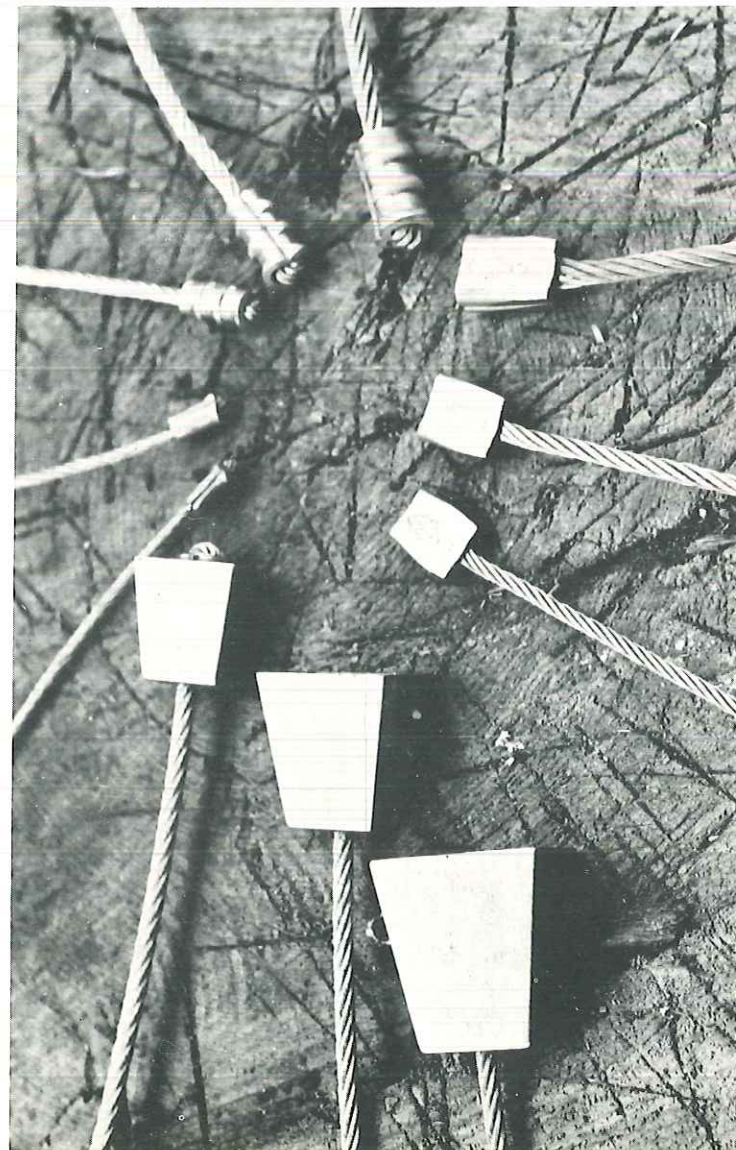
Campbell Mountaineering offers the Saddlewedge as an alternative to other wedges. The slot cut in the sides eliminates the pivoting often seen in straight-sided wedges when they rest against only a point on either side (high-centering). The slot greatly enhances the security of many placements. Also, there is a slight bevel at the top of the nuts which allows contact at the maximum dimension about 3/16" from the top of the chock giving some leeway for shearing in a fall. Following are the sizes available and the runner size for each:

4	5	6	7
8 mm	8 mm	9 mm	9 mm

### Forrest Copperheads

Copper Swedges on the end of a single cable. These are often very useful in shallow placements and will often offer protection when nothing else will. Sizes 1 through 5.

Nut #	Nut Length	Nut Dia.	Overall Length	Cable Dia.	Approx. Tensile	
					Strength	Weight
1	1/2"	3/16"	5 3/4"	3/32"	920 lbs.	.4 oz.
2	1/2"	1/4"	5 3/4"	3/32"	920 lbs.	.4 oz.
3	3/4"	5/16"	9 1/2"	1/8"	2,000 lbs.	1.1 oz.
4	7/8"	7/16"	9 1/2"	5/32"	2,800 lbs.	1.5 oz.
5	1"	1/2"	9 1/2"	3/16"	4,000 lbs.	2.4 oz.



### Forrest Arrowheads

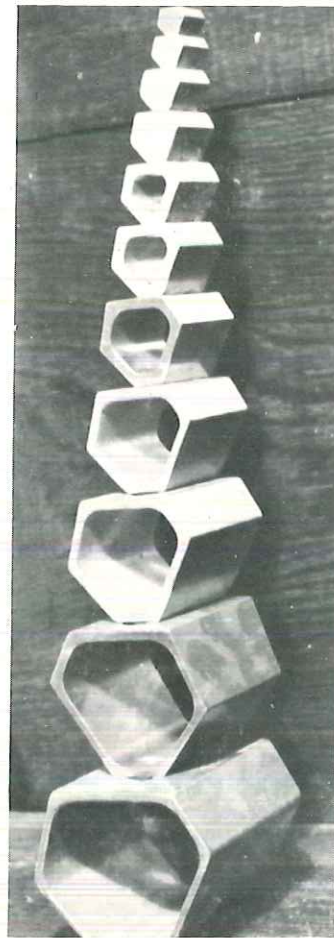
Similar to copperheads but the swedges have been flattened and given a slight taper.

Nut #	Top Width Of Head	Head Height	Overall Length	Cable Weight	Cable Dia.	Approx. Tensile
						Strength
1	.265"	.650"	9 1/2"	1.1 oz.	1/8"	1,500 lbs.
2	.305"	.750"	9 1/2"	1.5 oz.	5/32"	2,300 lbs.
3	.420"	.890"	9 1/2"	2.4 oz.	3/16"	3,800 lbs.

### Forrest Foxheads

Aluminum wedges affixed to a single cable these are very similar to the old MOAC nuts. Useful in many places where a double cable won't fit.

Nut #	Min/Max Width	Head Height	Overall Length	Cable Weight	Cable Dia.	Approx. Tensile
						Strength
1	3/8" - 1"	1"	9 1/2"	2.1 oz.	5/32"	2,800 lbs.
2	1/2" - 1 1/8"	1 1/4"	9 1/2"	2.5 oz.	5/32"	2,800 lbs.
3	1/2" - 1 3/8"	1 1/2"	9 1/2"	3.1 oz.	5/32"	2,800 lbs.



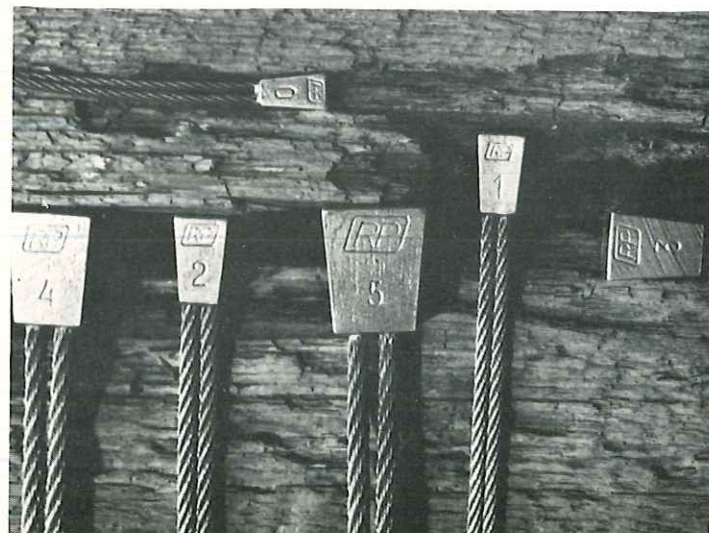
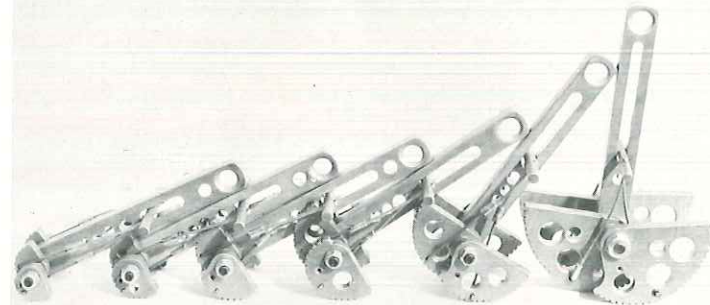
### Chouinard Hexentrics

The original, four dimensional, eccentric hex chock. Useful in normal and some parallel sided cracks, Hexentrics are one of the most versatile designs of all times. Each chock will fit several crack sizes by cocking it or by using the end-wise placement. Sizes 7 through 11 are now made of a thinner walled extrusion which makes them the same weight as the old drilled ones but 400 lb. stronger. Do not drill lightening holes in these new Hexentrics!

Chouinard Hexentric Chart			
Number	Width	Wire Sling Size & Approx. Strength	Rope Sling Size & Approx. Strength
Wired 1	7/16	1/8 1200 kg	—
Wired 2	9/16	1/8 1200 kg	—
Wired 3	5/8	1/8 1200 kg	—
1	7/16	—	5 mm 600 kg
2	9/16	—	6 mm 700 kg
3	5/8	—	7 mm 800 kg
4	3/4	—	8 mm 1100 kg
5	7/8	—	8 mm 1100 kg
6	11/8	—	8 mm 1100 kg
7	13/8	—	8 mm 1100 kg
8	15/8	—	8 mm 1100 kg
9	17/8	—	8 mm 1100 kg
10	2 1/4	—	8 mm 1100 kg
11	2 1/2	—	8 mm 1100 kg

### Friends

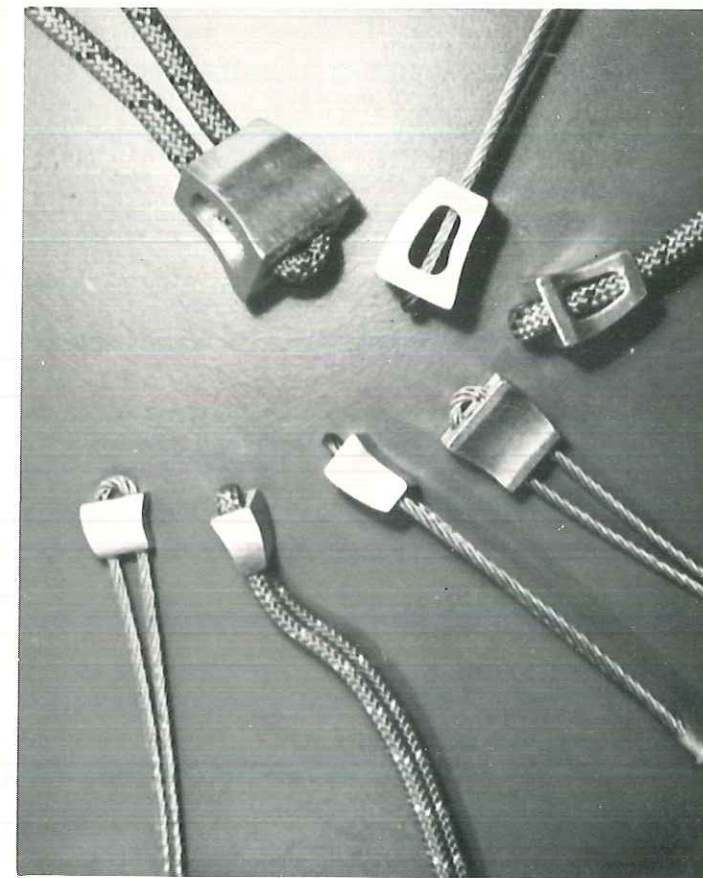
Developed several years ago by Ray Jardine, these sometimes controversial cam chocks have become standard items on many racks. Ideal for use in parallel sided or flaring cracks, Friends are quick to place securely, often a consideration on hard routes. Removal is facilitated by retracting the cams via a trigger mechanism. Beware of stuffing the Friend into a crack to its full compression and also be watchful that the cams do not bottom out on their tops. Either could result in difficult removal or a "fixed Friend." Sling with two feet of 1" tubular webbing through the bottom hole in the stem. We stock the complete line of Friends, including the new half sizes. 1, 1-1/2, 2, 2-1/2, 3 & 4. See chock comparison chart for approximate size range of each.



### R.P.'S

Imported from Australia, these chocks have become indispensable for protecting many routes. Their short, blocky configuration allows placements to be made in many shallow cracks and slots. At Seneca a few routes become very serious endeavors without them. Made of brass, these chocks have the ends of the cables silver soldered into them eliminating the normal bending of the cable over the top and the corresponding reduction in cable strength.

RP size	Dimensions	Strength
0	1/8" x 3/16"	500 lb.
1	3/16" x 7/32"	800 lb.
2	7/32" x 1/4"	1200 lb.
3	1/4" x 5/16"	1200 lb.
4	5/16" x 3/8"	1800 lb.
5	11/32" x 7/16"	1800 lb.



### Chouinard Stoppers

Long the standard, these wedge shaped chocks come on cable only for strength in sizes 1 thru 5.

Number	Width	Wire Sling Size & App. Strength
Wired 1	5/32	1/16 360 kg
Wired 2	3/16	1/16 360 kg
Wired 3	1/4	3/32 800 kg
Wired 4	5/16	3/32 800 kg
Wired 5	3/8	1/8 1300 kg

### New Style Chouinard Stoppers

Yvon Chouinard has redesigned the Stopper in sizes 6 thru 12. The new shape is similar to that of the Wild Country "Rocs" having opposing concave and convex surfaces. This is supposed to increase the security of most placements and give better holding power. The #6 is available only on wire with 7 thru 12 being either wired or unwired (specify). Available in late April.

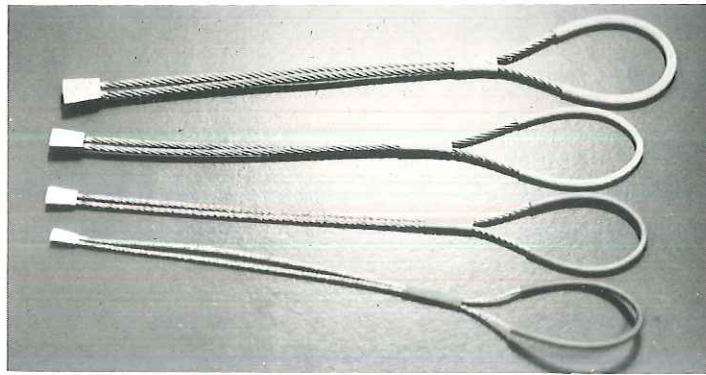
Number	Width	Wire Sling Size & App. Strength
Wired 6	7/16	1/8 1300 kg
Wired 7	1/2	1/8 1300 kg



Number	Width	Wire Sling Size & App. Strength
Wired 8	9/16	1/8 1300 kg —
Wired 9	11/16	1/8 1300 kg —
Wired 10	3/4	1/8 1300 kg —
Wired 11	7/8	1/8 1300 kg —
Wired 12	1"	1/8 1300 kg —
Wired 13	1 1/4	1/8 1300 kg —
7	1/2	— 6 mm 700 kg
8	9/16	— 7 mm 800 kg
9	11/16	— 8 mm 1100 kg
10	3/4	— 8 mm 1100 kg
11	7/8	— 8 mm 1100 kg
12	1"	— 8 mm 1100 kg

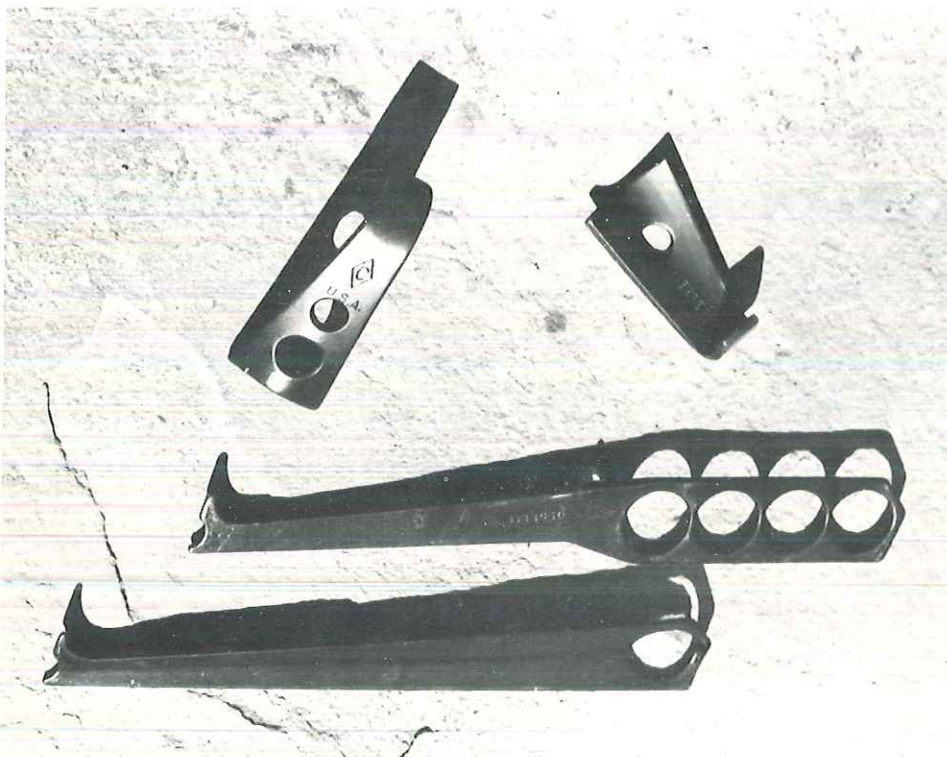
### New and Old Size Comparisons

New Size	#0	1	2	3	4	5	6	7	8	9	10	11	12	No Sizes
Old Size	#1	1 1/2	2	2 1/2	3 1/2	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8 1/2	8



### New Chouinard Brass Nuts

Taking off on the idea of the RPs, Chouinard has come up with a new set of four brass nuts. These will fit cracks from .180 up to .250. The new brass nuts have a rockwell hardness of 73 as compared to 64 on the "B" scale which should lead to longer life and lessen the chances of shearing under a load. The wire cables are silver soldered and Chouinard claims his 7 x 19 cable (RPs use 7 x 7) will be more flexible than that used on RPs. The taper of the brass nuts is 4 degrees as opposed to the RPs taper of 7 degrees. Size 1 thru 4 are available and their respective breaking strengths are: 1 - 550 lb., 2 - 850 lb., 3 - 1350 lb., 4 - 1800 lb.



### Leeper Nut Tools

#### Hooker

A lightweight tool for placing and cleaning small chocks. Constructed of heavy gauge steel, the lightening holes save weight without sacrificing strength.

#### Hustler

A more economical tool of lighter gauge steel than the Hooker. A longitudinal bend provides adequate rigidity.

#### Logan Hooks

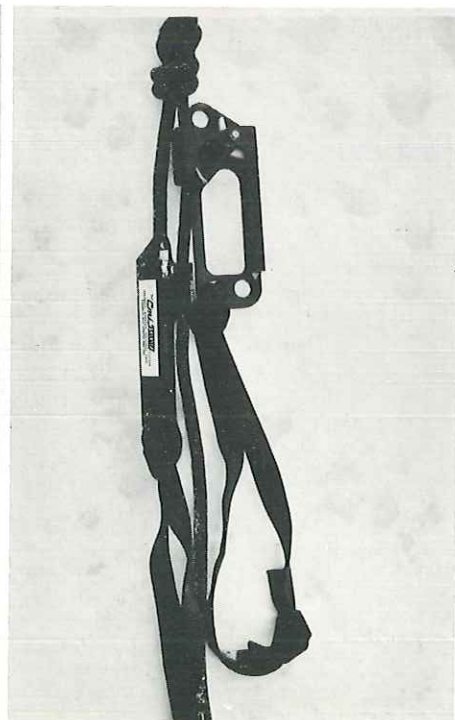
One of the most useful (and scary) tools for the aid climber. Available in either wide (shown) or narrow point (works in shallow bolt holes) the three point contact gives very good stability.

#### Chouinard Cliffhanger

Useful for hooking on small flakes or rugosities. If you do much in the way of serious aid you'll need these.

### CMI 5002 Ascenders

Simple, safe, and strong the extruded body of the CMI ascender gives great strength and resistance to stress cracking. The brittleness of cast bodied ascenders is not a problem with these. Useful on ropes from 7 mm to 12 mm we suggest you ascend nothing smaller than 9 mm. Useful for hauling on big walls; due to its convenient tie in holes rigging is a cinch. Available as a pair only.



Victorinox of Switzerland, first patented the Swiss Army Officers' in 1891 and are the original and only contractor to the Swiss Army. Quality of materials and workmanship are superb. These are the original Swiss Army knives. Don't be misled by any others that do not carry the Victorinox name.

#### Mountaineer (1.37 42)

Length: 91 mm, 3 1/2" contains the 9 standard features:

10. scissors
11. nailfile with:
12. — metal file
13. — nail cleaner
14. — metal saw
15. tweezers
16. toothpick

#### Waiter (0.13 00.26)

Length: 84 mm, 3 1/4" Handles: ribbed Alox

1. blade
2. cap lifter with:
3. — screwdriver
4. — wire stripper

#### Spartan (1.36 01)

(length: 91 mm, 3 1/2" contains the 9 standard features:

1. large blade
2. small blade
3. cork screw
4. can opener with:
5. — small screwdriver
6. cap lifter with:
7. — screwdriver
8. — wire stripper
9. reamer key ring

#### Popular (0.69 01.20)

Length: 84 mm, 3 1/4" Handles: ribbed Alox

1. large blade
2. small blade
3. key rings

The Victorinox people have a very generous replacement and/or repair policy; so, should your Victorinox knife require servicing, it can be sent directly to: The Victorinox Service Center, P.O. Box 846, Shelton, Conn., 06484.

#### Climber\*

\*Discontinued

#### Pioneer (0.82 01.20)

Length: 91 mm, 3 1/2" Handles: ribbed Alox

1. large blade
2. can opener with:
3. — small screwdriver
4. cap lifter with:
5. — screwdriver
6. — wire stripper
7. reamer
8. key ring

#### Gourmet (0.30 00)

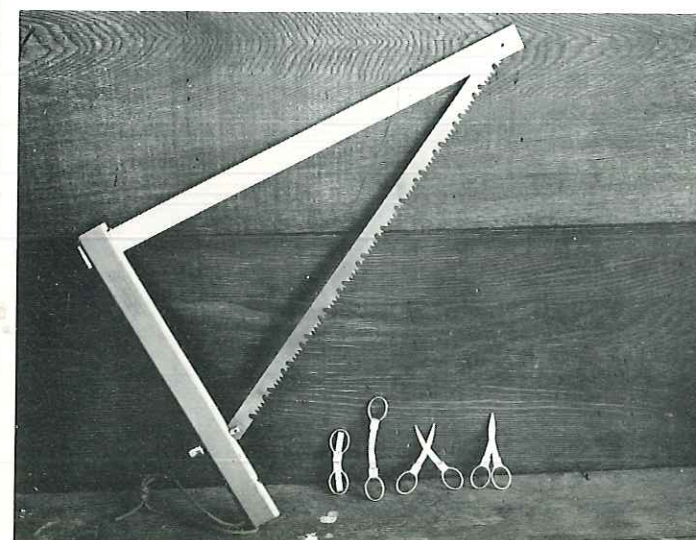
Length: 84 mm, 3 1/4" contains:

1. large blade
2. small blade
3. cork screw

#### Opinel Knife

The traditional French cheese knife. These have wood handles and a very good carbon steel blade. The locking collar is very secure to prevent amputation of the fingers. We offer two sizes: #8 3 1/4" blade. #6 2 3/4" blade.

Counter clockwise from the wood handles Opinel at bottom center.



### Sven Saw

A very compact and lightweight folding saw that is ideal for campers and backpackers. On winter trips these are invaluable.

### Folding Scissors

A nifty set of clippers for the flyfisherman or those who carry a regular pocket knife without the tools of the Swiss Army knives. Sturdily constructed of stainless steel and aluminum they weight less than 2 oz.

# HARNESSES



## Joe Brown Helmet

Made by Snowdon Mouldings in North Wales. Made by hand, each helmet involves twenty different operations. Confidence in their products has led them to offer a free replacement helmet to anyone who has a helmet damaged due to a climbing accident. The Joe Brown Super was one of only two helmets to pass the proposed UIAA test for shock absorption. The Joe Brown Lightweight has the same shell as the Super without the bonded urethane foam liner. The Medium Super weighs 24 oz. while the light is 20 oz. Sizes: small (6 1/2 - 6 7/8), medium (6 7/8 - 7 1/4), large (7 1/4 - 7 5/8)

## Forrest 3" Swami Belt

A very sturdy swami constructed of 3" flat webbing and tied with a piece of 1" tube when worn. Basic but comfortable if used with the leg loops listed below. If used by itself, be aware that you can't hang by your waist for more than about 1-1/2 minutes. Sizes: XS - 23-26", S - 27-30", M - 31-34" L - 35-38", XL - 39-42".

## Forrest 3" Leg Loops

These leg loops, when used in conjunction with a swami, allow the thighs to take the majority of the shock of a fall instead of your waist, as is the case when the swami alone is used. We recommend they be used with the above Forrest swami. Sizes: XS - 17-19" (thigh measurements), 2 - 20-21", M - 22-23" L - 24-25", XL - 26-27".

## Forrest Sit Harness

An economical sit harness made of two-inch flat webbing for the waist and three-inch flat for the leg loops. A sturdy metal buckle holds it together but due to the design, doesn't take any of the shock of a fall. The tie in is through the two large ears in the front; a hauling loop is provided in the rear. Sizes: S - 26-29", M - 30-33", L - 34-38", XL - 39-42".

## Troll Mark 5 Sit Harness

Truly the most comfortable harness we've ever sold in our shop. The waist belt is of doubled three-inch flat webbing with a two-inch piece sewn on to serve the buckling system. Front and rear belay loops (that are strong enough to use) are provided. The leg loops are sewn from one continuous piece of three-inch flat webbing and have a hold-up strap attached. All areas of stress or abrasion are superbly sewn and have cloth abrasion shields for added life. Used by many of the top climbers in our area, this is the Harness of No Complaints.

**Waist Belt Strength** — waist belt, in excess of 2000 kg  
**Strength** — belay loops, in excess of 2000 kg  
**Sizes** — S 60 cm — 70 cm (24"-28") M 70 cm — 80 cm (28"-32")  
 L 80 cm — 90 cm (32"-36")

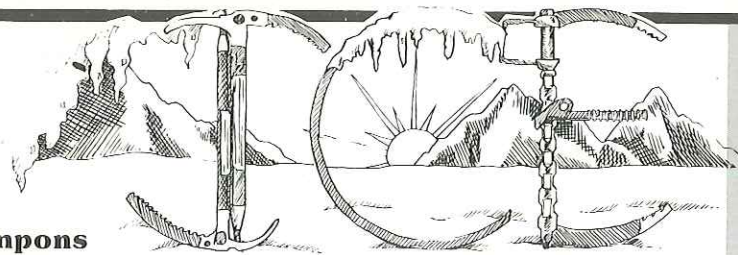
When trying on the harness, if between sizes, always choose the larger size. **Weight** — Medium 500 gm (17-1/2 oz.)

**Leg Loops Strength** — in excess of 1600 kg  
**Sizes** — S 48 cm — 56 cm (19"-22") M 56 cm — 61 cm (22"-24")  
 L 61 cm — 66 cm (24"-26")

When trying on the harness, if between sizes, always choose the larger size. **Weight** — Medium 250 gm (9 oz.)



Harnesses



## SMC Rigid Crampons

For steep ice climbing the rigid crampon has become the standard. SMC uses the highest quality, electric furnace grade alloy steel in the construction of their crampons. The front points have deep stiffening ribs embossed in them for rigidity and to dampen vibration when penetrating even the hardest ice. Their 43° curvature is optimum for ice penetration and enables them to maintain a secure grip when the climber relaxes his ankles to ease calf muscle strain. Two sizes are available to fit boots down to size 4. Specify boot size and type.

## Chouinard Adjustable Hinged Crampons

These are a fully adjustable hinged crampon for snow, ice and mixed climbing. It is designed for expedition type climbing where no spare parts are available and the ultimate in reliability is needed. The crampon is made of chrome molybdenum steel and features a coating which eliminates snowballing. The adjustability allows a tight fit to eliminate vibration and offers good penetration in hard water ice. One size fits all boots 5-13.

## Chouinard Tubular Ice Screws

The bigger diameter of these screws offers much greater holding power than the old Selewa tubes. The cutting teeth and threads are welded with a full bead for strength, and the teeth are hardened steel and hand ground. Sizes: 13, 17, 22 and 28 cm.

## Lowé Snargs

The Snarg is a hammer driven ice piton with very good holding power. We offer the threaded version only for greater security and ease of removal. There is a slot for clearing ice cores out. 6- or 9-inch lengths.

## The New Chouinard Alpine Hammer

Sadly, wood handles are no longer in the Chouinard line. The new handle of the multi-bladed Alpine Hammer is made of a polypropylene compound and is extremely rugged. The New head comes with two interchangeable picks that are nicely drooped but not so much as to require an unnatural swing. The picks are two different lengths; one for hard water ice and the longer one for softer conditions. The picks are held in place with three Allen screws.

## MacInnes Peck Terrordactyl Hammer

This handy 15-inch ice tool with its famous 55° pick of 1/8-inch high-tensile steel is our concession to technology because they truly work. The handle is duraluminum and covered with textured rubber for insulation and a secure grip. We offer only the hammerhead model as we've found the terror to work more efficiently with the weight concentrated in the head for better balance.

## The Chouinard Piolet

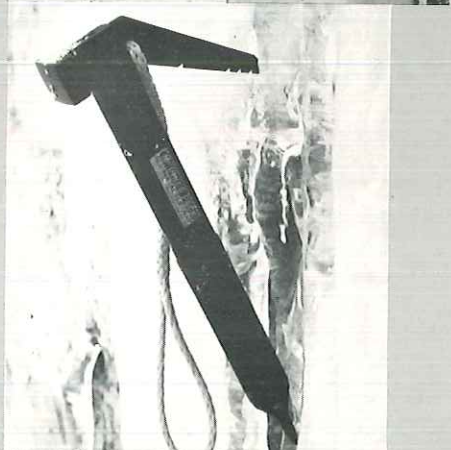
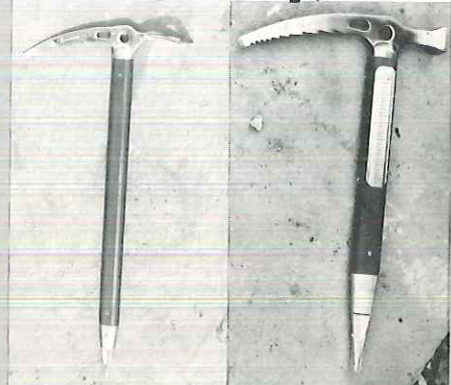
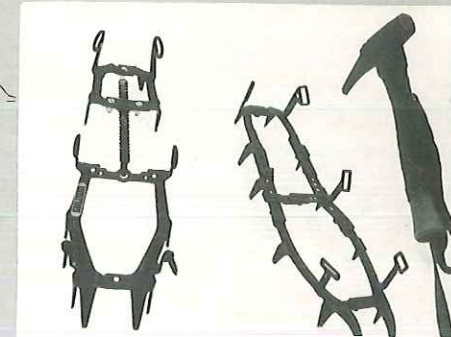
The new Chouinard Piolet is now made in the United States. This is undoubtedly the most versatile of the classic ice tools available. Made of stamped parts welded together (which eliminates forging flaws) the new piolet is lighter yet stronger than the older models. The steel used is nickle-chrome molybdenum. The new piolets have thinner picks with a slight droop. Deep teeth grace the end of the blade. The adze is ever so slightly curved to facilitate step cutting. The shaft is a laminate of aluminum tubing, graphite, and fiberglass offering the feel of bamboo without the weight. The spike has a dual taper. Shaft color is blue with a strength of 1650 lb. Lengths available: 60, 70, and 80 cm.

## Chouinard Zero Ice Axe

Having more of a curve to the pick, and teeth the full length of the blade this is a tool for water ice and Alpine gullies. The thinner pick gives better penetration in water ice. There are lightening holes in both the pick and adze to reduce weight and add better balance. Shaft is the same as the piolet. Length: 50 and 60 cm.

## Chouinard North Wall Hammer

Essentially this is the zero axe with a hammerhead instead of an adze. The North Wall Hammer makes a nice companion tool to the zero axe for climbing waterfalls, or water ice found in gullies. For general mountaineering where one expects to encounter only a moderate amount of water ice it can be a useful accessory to the piolet for the occasional very steep section. Lengths: 40 and 50 cm.





### The Gendarme Climbing Sack

It seems that every time we find a truly functional climbing pack it is discontinued by the maker. We've solved that problem by designing our own and having it made to our specifications.

The Gendarmes' climbing sack has clean traditional lines with no load adjustment straps or other such gizmos to mar its beauty and snag on everything in sight. Capacity is 2400 cubic inches, more than enough room for rack, shoes, and rain gear. It is also suitable for ultra-light weekend trips for the person who is adept at going really light.

Knowing how climbers pack, we've provided a removable

### Fanny Pack

Ideal for ski touring, carrying lunch while fishing, or toting camera accessories. Coated nylon with a zipper closure and a velcro adjustable waist belt.

### Belt Pouch

An extra pocket carried on the belt with enough room for sunglasses an extra lens or small camera, ski waxes, or first aid kit. Coated nylon with a zipper closure and two sewn on belt loops.

### Bottle Bag

A handy way to carry a water bottle on short trips away from camp or pack. Coated nylon with a drawstring closure and belt loop.

### Lowe Expedition and Triolet Packs

Lowe has been a pioneer in the design of large capacity, comfortable, frameless mountain packs. The expedition has a capacity of 4300 cu. in.; the Triolet, 3400 cu. in. The volume of either can be reduced by means of side-mounted compression straps. The bottom is of 11 oz. Cordura, while the bag is sewn from 8 oz. pack cloth. A generous flap with pocket covers the drawstring-closing top by means of two quick-detachable buckles. The Lowe Paralux suspension is one of the most comfortable and adjustable we've ever seen. For any extended trip, summer or winter, these are the way to go if your looking for an alternative to the traditional frame pack for large loads or plan on doing any technical climbing with a big pack.

### Chouinard Creag Dubh

Teardrop style packs are a very functional design for the rock climber, and Chouinard has come up with one of the best. The Creag Dubhs 15.4 oz. Ballistic nylon fabric is very tough. Its capacity is 1600 cu. in., enough for a full-blown rack and shoes or day excursions. An inner foam pad protects your back while numerous accessory patches allow the attachment of extra gear. Weight: 25 oz. Color: navy.

### Eagle Creek Sparrow Hawk

Here is the traditional teardrop design with several quality features. The 11 oz. Cordura body has a durable and beautiful leather bottom. The shoulder straps are of felt-padded leather. The back has a foam insert for comfort, and a diagonal zipper gives access to an inner mesh pocket for small items. The 1475 cu. in. capacity make this an ideal choice either for climbing or day trips.

### Eagle Creek Kestrel

For those preferring a rectangular day pack we offer the Kestrel. Its leather bottom and felt-leather shoulder straps enhance its quality. This pack has a drawstring top closure with an outside zippered pocket; the top flap incorporates its own pocket and has a double buckle closure. Side patches are included for skis or extra gear. Total capacity is 1512 cu. in.

ensolite pad in the sleeve type back to pad the load as well as serve as a seat during bivouacs. For beauty and durability the leather bottom has been added. A strap at the top with a buckle solves the problem of your rope slipping down the back of the pack and eventually dangling. For hauling, two haul straps are provided as is a detachable waist belt. The flap, with its spacious pocket, is secured by two Fastex buckles. Leather patches are provided for ice tool carry or other gear attachment. Shoulder straps are ensolite covered with nylon.

For the climber who values simplicity and classic design, the Gendarme climbing sack should prove to be a tenacious partner for many years.



## Rope

All of the rope we offer for technical climbing far exceeds the basic UIAA requirements for tensile strength, impact strength (energy absorption), and number of falls held. Impact strength or force is an indicator of how much of the energy of a fall the rope will absorb; the lower the impact force the softer one will fall on the end of the rope. All ropes bearing the UIAA stamp are rated as to the number of maximum falls they can withstand. The minimum is three at the present time. Our ropes are all rated at six falls and above.

### Notes On Rope Care

Do not loan or borrow climbing ropes. Try to keep your rope clean. Store it in a stuff sack or rucksack to protect it from ultraviolet and chemical contaminants. If wet, loosely coil it and allow to dry away from direct heat. Do not step on ropes or drop rocks on them; it can be rough on the rope and you as well.

### When to retire a climbing rope.

In our shop, we are constantly asked to advise people on kernmantle rope retirement. Some manufacturers suggest that a rope be retired after 100 hours of use. Others recommend retirement only when the sheath wears through. Our opinions are as follows:

1. Retire any rope when you can see the kern (the inner strands).
2. Check any rope by feel that has been subjected to a number of leader falls or one big zoomer.
3. Run it through your hands and feel for any spots that feel spongy, hard or flattened.
4. Question any section that feels weird in relation to the rest of the rope.
5. If your rope has been used a lot, taken its share of falls, and you are starting to question its security, your climbing will probably suffer some.
6. When in doubt, we suggest replacement, if nothing else for your own peace of mind and safety.

### Edelweiss Ropes

Made in Austria, all of the Edelweiss ropes we carry are ever-dry.

**Extrem 11 mm x 150'.** These are top-of-the-line ropes. Rated to nine falls by the UIAA they provide a good safety margin and extremely long life. Impact strength is 975 kg. Colors: red/green, orange rattlesnake, green fantasia, yellow fantasia.

**Extrem 9 mm x 150'.** For mountaineering or those into double rope techniques. When two are used for double rope climbing they have a fall factor of 20 and an impact strength of 550 kg. Colors: red, blue and orange.

**Robbins Lifeline 11.5 mm x 150'.** This is a six fall rope with an impact force of 990 kg. They feel very much like an Edelrid Classic, hold a knot well and offer a more economical approach to rope acquisition.

**Chouinard 10,2 mm dry rope.** Rated to hold five to six falls, this rope weighs only 6.6 lb. for those who are very weight conscious. It has excellent handling characteristics. We stock only the 150' length. The 10.2 has a 5.1% elongation under load and high energy absorption. Extremely abrasion resistant, this is a good all round climbing rope.

### Beal Ropes

This 11 mm x 150' rope is non-everdry and is rated to seven falls. Made in France, these have a very nice feel to them and are certainly economical. Colors: as available, state several preferences.

### Kernmantle Accessory Cord

For stringing chocks, making runners, prusiks, etc. We suggest the use of no rope smaller than 7 mm for normal use in nuts for protection except in exceptional cases where you have no other choice. 6 mm seems to work the best for prusiks on most perlon kernmantle ropes. We offer Chouinard and Edelweiss in the following diameters; 9 mm, 8 mm, 7 mm, 6 mm, 5 mm, 4 mm, 3 mm. Colors are many and varied from one diameter to another. Specify if you have a choice.

### Webbing

#### Runners

Most folks find between five and six feet of 1" tubular webbing to be adequate for single length runners. Double runners usually run between 9 and 11 feet. Short runners (quick draws) can be made from 2-1/2 to 3 feet of 1" tube or from 5 feet of 9/16" Super Tape carried doubled. 9/16" Super Tape is also useful for threading hard to get at fixed pegs.

#### 1 - Inch Tubular Webbing

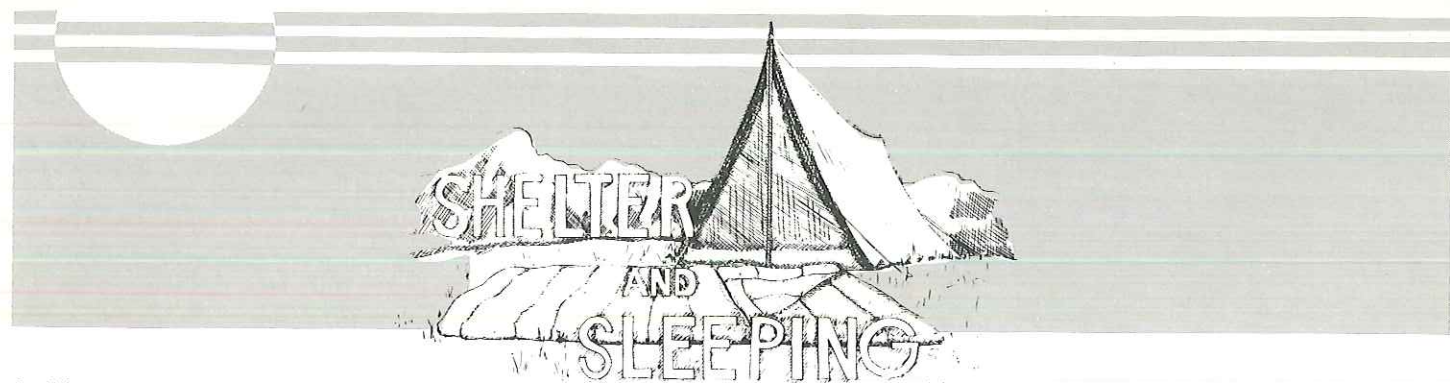
All of our webbing is rated at 4000 lb. Beware of webbing that is stitched up the side, it is not nearly as strong. We offer the following colors: green, red, blue, orange, yellow, and white (cheaper than the colors).

#### 9/16 - Inch Super Tape

Offered in either red, blue or gold, this tape is tubular in construction and tests out in a single loop at approximately 3000 lb. Ideal for quick-draws or saving weight for regular runners. If used as a single runner, it should be replaced more frequently than 1" when used for the same purpose.

#### 2 - Inch Tubular and Flat Webbing

We offer 2" webbing in both seat belt type and a soft tubular. The tubular is very popular for tying swami belts, the flat is useful for those who want to sew their own harness.



### A Sleeping System

Many outdoor folks end up buying sometimes two or three different sleeping bags to cover the temperature ranges of the four seasons. We have hit upon a slightly different approach.

We are recommending the use of a good three-season bag for normal spring, summer and fall camping. The addition of a pile

liner bag can take the comfort range of a good three-season bag down to sub-zero easily. The pile liner or sleeping shell can also serve as a super light summer bag for extremely warm temperatures. The main advantage to this approach is the saving of many hard earned dollars, not to mention the versatility of this two-bag system.



### Trailwise Slimline

The form-fitting Slimline utilizes 600 fill power prime goose down for insulation and is ideal for all but the most extreme cold weather. The Chevron baffle system is very effective in eliminating down shifting and bunching. Each down tube is filled very consistently with a variance of only plus or minus 1 gram, giving just the right amount of fill. 40% of the fill is in the bottom half of the bag and 60% is on the top, where it does you the most good. The Slimline shell and liner are luxurious, down-proof, water repellent, 320 thread count nylon Tenaya cloth. The zipper is full length and backed by a generous down filled draft tube. The average weight of the Slimline is 2 lb., 15 oz. and they are rated down to zero degrees. The addition of the pile liner listed below makes it adequate for even the most extreme temperatures. A right- and left-hand zippered bag can be joined to make a double bag for those who like to snuggle. Colors are blue and kelly/green. Slimline 2 - up to 5'8" Slimline 4 - up to 6'6".

### Patagonia Pile Sleeping Shell

The pile sleeping shell is ideal for use as a super light bag for warm weather camping. Used with a bivy sack or bag cover its warmth can be increased considerably. The use of the sleeping shell as a liner can greatly extend the temperature range of a lightweight or three-season bag. Using one with the Trailwise Slimline makes a comfortable sub-zero sleeping arrangement. The pile shell has a zipper down the side and around the foot so it can also be spread out and used as a blanket. The top has a drawstring-closing hood. Weight is 2 lb. 5 oz. Sizes: regular up to 5'8", and large up to 6'3".

### The Trailwise Fitzroy III

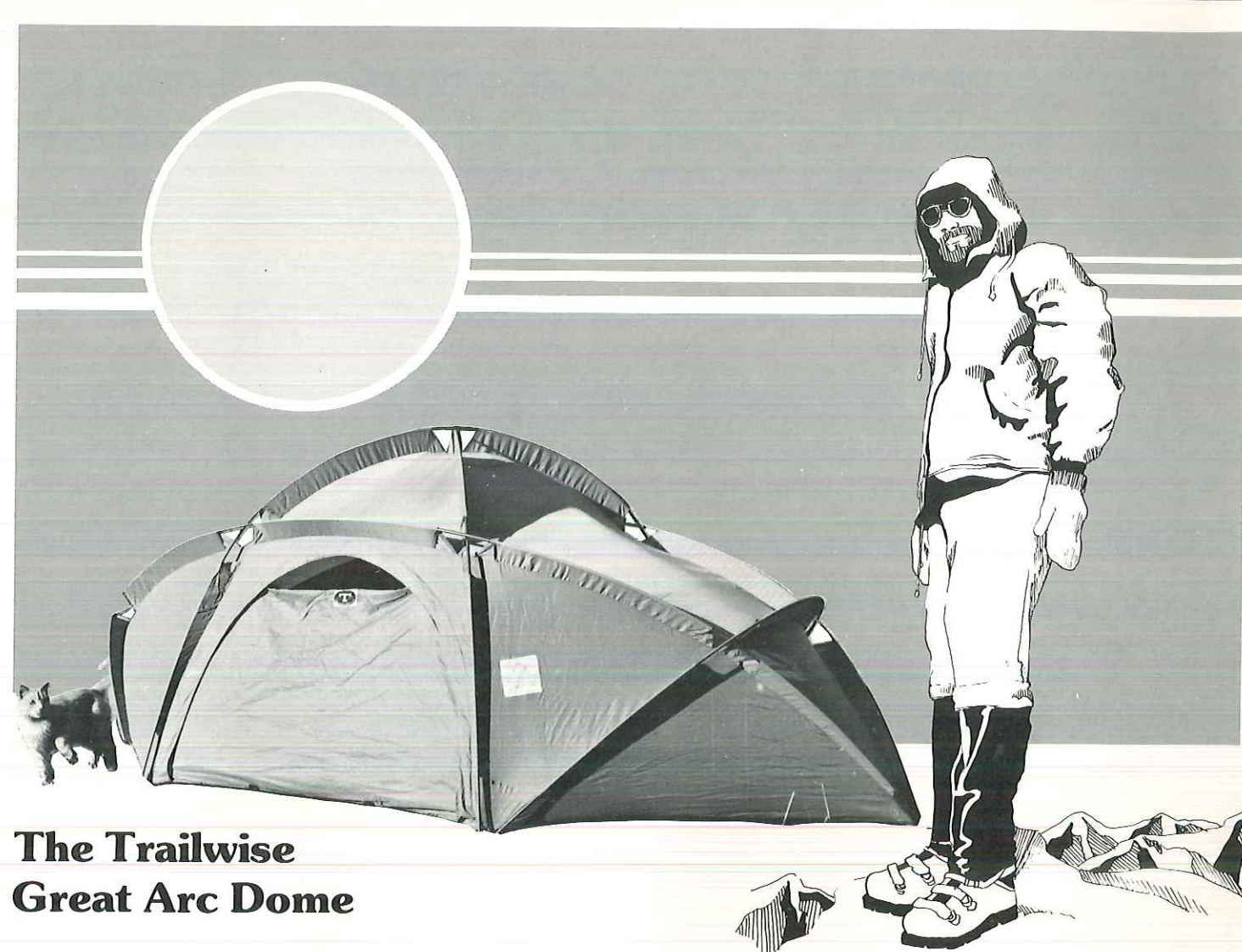
The Fitzroy III is an expedition type tent that is so versatile and stable it has to be used to be appreciated. We've used it in the mountains, the plains, East and West, and when we needed a shower badly, in KOAs.

The Fitz III is a self-supporting A-frame design requiring no guy lines. Just stake out the corners, insert the poles in their nylon sleeves, and viola! its up. And it stays up! The wall panels are cut for a tight pitch and with the side pullouts and the modified octagonal shape, the Fitz III spills wind better than any tent we've ever used. Flap is eliminated under all but the most trying circumstances.

The two entrances, coated tunnel and covered coil zippered door, will seal out the most violent storms or provide great ventilation on those warm nights we've all suffered through. The netting backing the doors and vent above the tunnel, is truly no-seeum proof.

The floor area is 60" x 102" providing plenty of living space whether sitting out a storm in the mountains or with your kids. Internal height at the ridge is 49".

The one-piece floor is 1.9 oz. urethane coated nylon and the 1.5 oz. coated side walls extend 11" up the sides. All seams are lap felled and double stitched. The fly is 70 denier 104 x 88 nylon taffeta with a 3/4 oz. coating. Poles are shock corded 6061-t6 aluminum. Weight is 8 lb. 5 oz. with poles, fly, and pegs. Colors: blue or green canopy, gold or navy floor.



### The Trailwise Great Arc Dome

This beautiful dome tent offers maximum interior space in a geodesic two-person shelter. The tent is free-standing and extremely stable in high winds due to the pole configuration which distributes stresses evenly throughout the structure. This also lends itself to the efficient shedding of rain and snow. The Great Arc's identical entrances on both sides, as well as its spheroid shape, contribute to its efficient air circulation. The 37.1 sq. ft. floor area offers maximum room for two people, their gear, a couple of small kids, or a dog. The center of the tent offers 44" of unrestricted head room.

The floor is 1.9 oz. rip stop with a 1.5 oz. polyurethane coating. The canopy is 70 denier, 1.9 oz. antron taffeta treated with zepel water repellent and with a U.V. light inhibitor. The fly is 104 x 88 thread count taffeta with a .75 oz. polyurethane coating. The six poles are 7075 anodized aluminum alloy. The netting is no-seeum proof and the zippers Coats and Clark fused looper coils. Weight is 6 lb. 8 oz. Colors: tan/yellow, tan/blue, tan/coral. Please give three-color choices in order of preference as we don't always have them all.

### Sleeping Pads

#### Ensolite

The standard closed-cell foam pad, 56" long 1/2" thick and 20" wide. You know how nice they are when you forget to take one on a trip.

#### Thermarest Self-Inflating Pad

Just open the valve and unroll. The open cell foam inside the air-tight cover puffs up and when fully expanded you close the valve. These pads provide the insulation of a foam pad with the added comfort of an air mattress. Expensive but luxurious. Two sizes: Backpacker, 19" x 47" x 1-1/2"; Weight, 1-1/2 lb. Expedition, 20" x 72" x 1-1/2" Weight, 2-1/4 lb.

### Plastic Tube Tents

The cylindrical plastic sleeves may be used for lightweight or emergency shelters. The one man has an 8-foot circumference and is 10 feet long; the two man is 12-foot circumference x 10 foot long.

### Ground Sheets

Lightweight plastic groundsheets are good for tent floor protection and may be used as a light duty tarp. We offer two sizes: 5' x 8' and 8' x 10'.

### Tent Stakes

These heavy-duty stakes are more durable than most. Length is 7" for the 3/16" diameter rod stakes. We also stock the SMC channel stakes. These are 8-1/2" long and are ideal for soft ground. Specify rod or channel.



### Seam Stuff

No garment or tent is totally waterproof until its seams are sealed. This sealer from Gore Associates is suitable for both coated nylon and Gore-Tex fabrics. The 2 oz. tube comes with a handy applicator tip.

### Match Case

A rubber gasket makes these plastic match safes waterproof. Each holds about fifteen kitchen matches. A metal striker is cemented to the bottom and they weigh 1 oz.

### Dr. Bronner

Dr. Bronner's is a mild, pure castille soap with a pleasant peppermint scent. The handy 8 oz. bottle is convenient for any type of outing. The soap is biodegradable and the label provides about a half hour's worth of reading.

### Old Woodsman's Fly Dope

This preparation is one of the very few that really repels biting insects. Its scent strongly suggests pine tar, and is safe for use

with nylon, cotton, and wool clothing. The 2 oz. bottle provides many applications. A little can go a long way.

### Drawstring Clamps

These self-contained, spring-loaded clamps are durable and perfect for tents, parkas, stuff sacks, etc.

### Hurricane Matches

These matches burn fiercely for about six seconds and are difficult to extinguish. In addition, they are waterproof. Each box contains twenty matches.

### Boot and Foot Care

#### Sno-Seal

Long a favorite, Sno-Seal is a silicone-wax which does a good job of waterproofing leather boots. It contains no oils which would soften or stretch the leather. The metal can contains 7.5 oz.

#### Biwell

This German preparation is a waterproofing and also contains oils which help to maintain the natural flexibility of leather without stretching or cracking. A 70 gram tube is good for a light application on two pair of boots.

#### Welt-Seal

The welt stitching on boots is difficult to waterproof. A bead of Welt-Seal will dry to a thin, flexible seal and help prevent water seepage into the midsole. The handy plastic applicator tube contains 2 oz.

#### Mole Skin

Catch blisters before they start. Dr. Scholl's heavy cotton moleskin helps eliminate friction caused by boots which are too tight or loose (or too new). Each package contains four 3" x 4" adhesive panels with peel-off backing.

### Flippy Fliers

A compact "flying disc" which can easily be carried for spur of the moment enjoyment. Ours is constructed of nylon fabric with a shot-loaded rim for stability and it is embossed with the Gendarme logo. Available in assorted colors.

### Bausch & Lomb Ray-Ban Outdoorsman Sunglasses

We've spent a lot of time outdoors over the last fifteen years or so and wouldn't go anywhere without a pair of these sunglasses. The lenses are precision ground and are absolutely distortion free. The G-15 gray/green lenses are one of Ray-Ban's best all purpose lenses. With a light transmission of 19%, these are the darkest uncoated lenses they offer. Although these lenses greatly reduce light intensity, colors remain true. When held up to light, the lenses look green in color; when being worn, they look almost black. The gold wire frame is light and strong and the cable ear pieces keep the glasses snug and adjust to fit any face size. A plastic brow bar keeps perspiration off of the lenses and adds comfort. Each pair comes with a crush-proof case. We consider these an absolute necessity for any outdoors person or anybody who is going to hang around the airport a lot.



### Rainbow Wallets

Rainbow Wallets are both durable and functional. Nylon pack cloth on the outside and lined with taffeta they are expertly sewn with bias tape on all the seams. Several styles are available to fit various needs.

#### Mini Rainbow

This single fold wallet is just enough to hold folding money and has four slots for various types of cards, driver's license, etc. Folded size is 4" x 3-1/2".

#### Original Rainbow

The original Rainbow wallet offers plenty of room for bills, plus three card slots and a plastic four-page card holder. It's double folded and closes with a velcro patch. Folded size is 4" x 5".

#### California Rainbow

This wallet is identical to the original Rainbow but one card slot has been transformed into a velcro-closed coin pocket.

#### Lady Rainbow

While larger than the preceding wallets, this version is excellent for the traveler or for purse carry. Its features include the double-fold velcro closure, a currency slot, a velcro change pocket, a checkbook slot, pen holder, and lots of other assorted nooks and crannies, as well as a plastic card folder for twelve credit cards. All of these features are a compact 4" x 7" package.

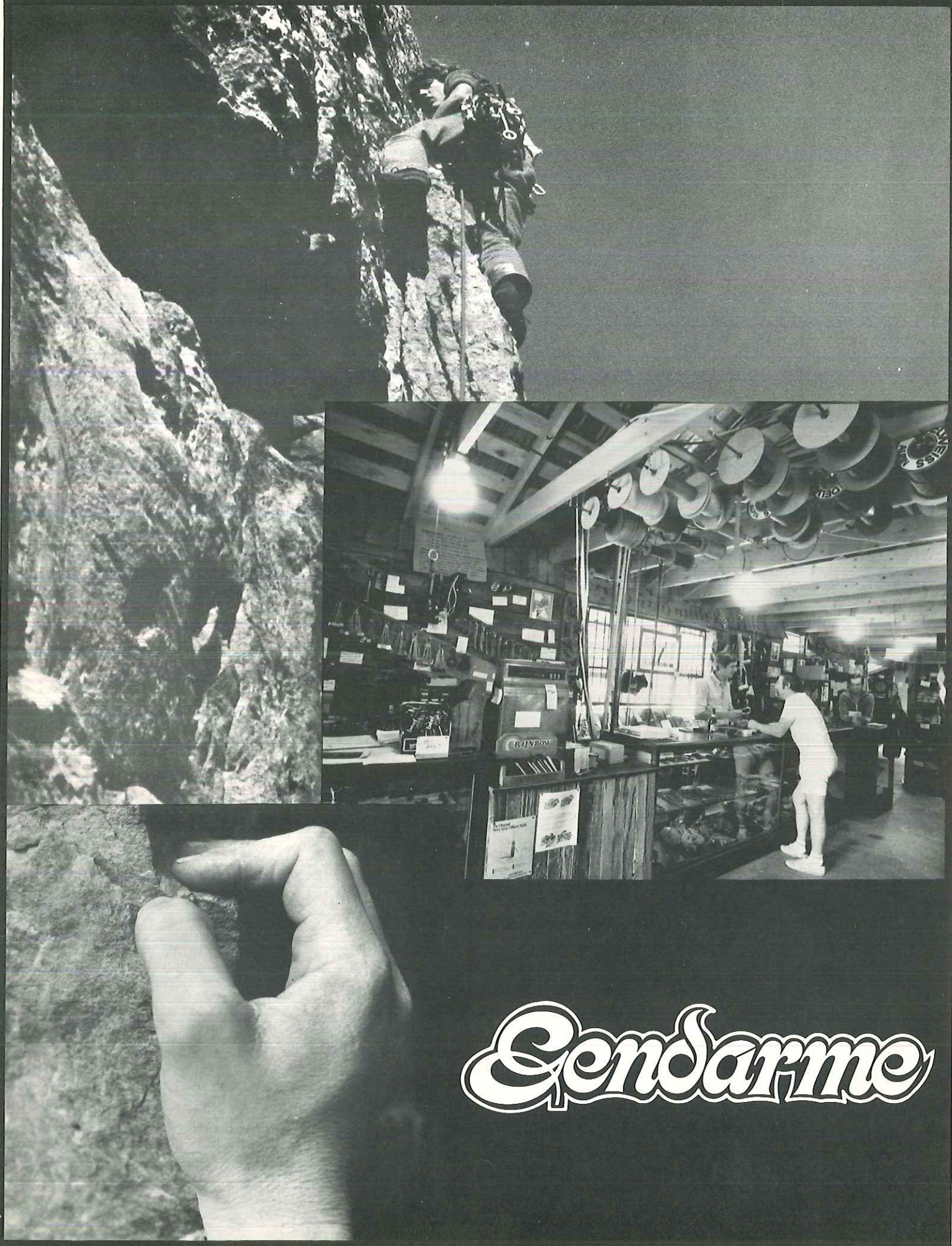
### Film Can Salt and Pepper Shaker Lids

These fall into the "why didn't I think of that" category. Now you can have waterproof carriers for your salt and pepper and use some of those old plastic film cans laying around the house. The hinged plastic top with shaker holes under the lid fit conveniently on 35 mm plastic film cans. They weigh nothing at all.

### Sushi Boxes

The original Japanese lunch box. The solid aluminum tin seals with a rubber gasket in the lid. The lid is held in place by two positive closing latches. These will definitely keep the elements out and the contents in and dry. Ideal for storing anything you need to protect and organize. Size: 3-1/2" x 5-1/4" x 1-1/4". Weight: 4 oz.





*Condarme*