

DRAFT



APPALACHIAN SEARCH & RESCUE CONFERENCE, INC.

P.O. BOX 440

NEWCOMB STATION

CHARLOTTESVILLE, VIRGINIA 22904

Board of Directors Meeting 3 October 1987

This meeting of the Board of Directors of the Appalachian Search & Rescue Conference, Inc. was called to order at 10:00 am at the Headquarters of Shenandoah National Park in Luray, Virginia by Chairman Greg Shea.

Present at this meeting were:

Directors:

Brian Wheeler - Blue Ridge Mtn. Rescue Group
Kevin Coyne

Greg Shea - Shenandoah Mtn. Rescue Group

Marcia Le Grand - South West Virginia Mtn. Rescue Group

Todd L'Herrou - Richmond Search and Rescue
Carlisle Childress
(Non-voting as probationary certified group)

Neil Conner - Explorer Post 616
(Non-voting as probationary affiliate group)

Other Members:

Kevin Parkes, SMRG
Gene Harrison, SMRG, ASRC Communications Officer
Peggy Rosen, SMRG
Al Rosen, SMRG
Chris Metzler, BRMRG, ASRC Operations Officer
Chris Ingle, BRMRG, ASRC Training Officer
Robert Koester, BRMRG, ASRC Medical Committee Chairman
William Dixon, Chairman BRMRG
Erin Carroll, BRMRG
Deming Herbert, BRMRG
Jim Rooney, ASRC At-large member

READING AND APPROVAL OF MINUTES

The minutes from the 22 August 1987 meeting will be held for correction and approval until the Secretary (who was unable to attend) has seen them.

GROUP REPORTS

Blue Ridge Mountain Rescue Group - Charlottesville:

Since the beginning of the University of Virginia's Fall semester, the group has held seven training sessions with an average attendance of twenty trainees. BRMRG applied for and received an emergency allocation of funds from the University for the Fall semester. A total of \$3,004 will be used to recover from expenses incurred during the Noepel search this past summer. In additional fund-raising news, the group received a private donation of \$500 and a grant from the Alton Jones Foundation totalling \$9,088. The Grant Project Manager, Robert Koester, has also submitted a new grant application to the Rescue Squad Assistance Fund (RSAF). Chris Metzler is the group's new Finance Officer. The ambulance that the group acquired from the Commonwealth of Virginia has finally been returned because BRMRG could not afford the insurance and mechanical costs to put the vehicle in operation. Rusty Miller, David Vines, and Bruce Hemmer have formed a Communications Committee to divide the work load among themselves.

Shenandoah Mountain Rescue Group - Washington, D.C.:

During the past month, SMRG has been preparing for the upcoming MRA re-certification test. The group practiced technical rescue at Sugarloaf Mtn. in early September and will be participating in the Rigging for Rescue class this month. SMRG received \$200.00 from the Shenandoah National Park Life Support Fund to help cover the costs of the this technical rescue course. The group also lead a first-aid training session for local Sierra Club members. The group now has one central number to activate its pagers which is included on the group roster. Finally, SMRG intends to discuss SAR in Maryland with the Washington and Frederick County EMS Agencies on 12 October.

South West Virginia Mountain Rescue Group - Blacksburg:

The group has just recently recruited 24 newcomers with the beginning of classes at Virginia Tech. The group has also just purchased a new base radio. A new SWVMRG roster was distributed.

Allegheny Mountain Rescue Group - Pittsburgh:

Greg Shea mentions that Keith Conover reports the group's training is moving along and they have acquired an account on the BITNET computer network enabling them to communicate with the other group's and individuals in the Conference with this capability.

Richmond Search and Rescue - Richmond:

Todd L'Herrou reports that the group has opened a bank account. RSAR plans to attend the MRA meeting and test. The group also made a significant contribution along with the BRMRG-Tidewater members on the Isle of Wight Incident in September.

Explorer Post 616 - Columbia, MD:

Not available at this printing of the minutes...

COMMITTEE REPORTS:

Virginia Search and Rescue Council: (Chris Metzler)

Chris is considering pursuing a policy with Triple A (AAA) to assist Council members responding to an incident. The new task assignment forms (TAFs) are being printed by the Department of Emergency Services and should be distributed soon.

Pennsylvania Search and Rescue Council: ~~Wes Smith~~ ^{WISBOTH}

The council's new Chairman is Ron ~~Wes Smith~~ from Rescue 40. All its committees are working hard on different projects. The council hopes to have a guest presentation at each meeting. Currently, the council is attempting to determine the method of representation of umbrella groups like the ASRC and K-9 in the council.

Mountain Rescue Association (MRA):

The coordinators of the upcoming MRA Board Meeting in Washington, D.C., Peggy and Al Rosen, discussed the status of the meeting and re-certification test plans. It was decided Greg Shea and Todd L'Herrou would represent the ASRC at the MRA Executive Board Meeting. After a discussion of the test requirements and location, BRMRG, SMRG, RSAR, and AMRG announced plans to take the test and seek MRA group certification.

Advertising Committee:

No report

Finance Committee: (Greg Shea reporting for Gary Mechtel, ASRC, Treasurer)
The bank account has approximately \$700.00.

Operations Committee: (Chris Metzler, Chairman)

Chris presented the Board with the current version of the ASRC Operations Manual. This edition was a revision of Bob Koester's original by Jim Rooney. Chris has also put together a document relating to alerting and dispatching which will be a future appendix to the Operations Manual. Chris plans to distribute these materials to the groups. Jim Rooney will be distributing a list of the current equipment color codes for an annual review. Corrections and additions should be sent to Jim or Chris. Jim Rooney submitted to the committee a draft ASRC aircraft crash scene report form. Finally Chris plans to make suggestions to the Va. SAR Council regarding changes to the Lost Person Report / Checklist (LPR/C) form.

Training Committee: (Chris Ingle, Chairman)

Chris announced that BRMRG will host the November conference-wide training session. On November 7th members will train in vertical rescue in preparation for the MRA re-certification test. Chris also submitted to the Board a first draft of the Revised ASRC Training Standards.

Medical Committee: (Robert Koester, Chairman)

Bob reported that he is now representing the ASRC on the Governor's Disaster Task Force. Bob's Draft Version 2.4 of the BLS guidelines is now in circulation. A new edition should be completed soon and will finally be going

to the printers then distributed to ASRC members. The estimated cost is \$1.50 - 2.50 a copy. Bob encouraged each group to contact their local EMS council and take part in their meetings. It was mentioned that gloves and goggles might be required, in the future, to be carried by EMS agencies as part of a state or federal mandate relating to AIDS and patient care. Bob distributed the Va. EMS Communications Directory to each group. There is a good chance for a Va. pilot W-EMT program to be offered in Charlottesville in the Spring of 1988. Bob is coordinating this effort. Bob also distributed two versions of standards for minimum medical kit contents. Finally, Bob is researching the possibility of using the step test as a physical fitness requirement within the ASRC.

Managing Information Systems (MIS) Committee: (Jim Rooney, Chairman)

Jim announced that RSAR now has two courtesy computer accounts from VCU in Richmond. The software package FOR COMMENT was discussed and is not recommended by the committee, but Jim suggests that those who like it keep using it. Jim is seeking feedback regarding a standard software package that could be donated to the Conference with a users license.

Communications Committee: (Gene Harrison, Chairman)

Gene distributed a written committee report (see attached) and the Northern Va. EMS Council communications study and recommendations. Gene discussed his perceived duties and responsibilities as written in his report.

OLD BUSINESS

ASRC Brochure re-print: (Greg Shea)

Jack Grandy, AMRG will not be able to draft the new ASRC brochure as previously expected. Jim Rooney and Chris Metzler volunteered to rewrite the text and Kevin Parkes said he would look for some new photographs. Jim and Chris will plan to distribute a draft by October 24th.

ASRC T-Shirts:

The Board discussed the request from Dick Williams of Rock & Snow, a outdoor equipment store, to sell ASRC T-shirts. BRMRG will distribute order forms for the next conference T-shirt order. Jim Rooney suggested the ASRC consider offering a nicer dress shirt for more formal get togethers.

ARES / Va. SAR Council Preplan: (Brian Wheeler)

Brian announced that Chris Metzler will be taking over the task of drafting the preplan between the Va. SAR Council and ARES in Virginia.

ASRC Application: (Brian Wheeler)

Jim Rooney again volunteered to draft the new ASRC application. This project has been delayed in the search for an appropriate computer graphics program. Jim now feels new software available to him in Blacksburg will allow for a quick draft to be generated. Robert Koester will again draft the Medical questionnaire portion of the application which was previously misplaced somewhere between Charlottesville and Blacksburg.

ASRC Operations Manual: (Chris Metzler)

After distributing the current version, Chris requested that any comments be sent to him so that he can incorporate them in next version to be printed 1 November. The Board also discussed ASRC Ops Manual Article 3.7.4.1 stating that ASRC FTL's must be 18 years of age.

Thirty-six month review: (Todd L'Herrou)

This draft was distributed again by Todd to the Board. Todd had expected to receive revisions from each of the groups however he has only heard from SMRG. Further action on this item was postponed so that the Board could discuss the way items like this are being taken care of at the Board level. The status of Todd's draft is systematic of other projects and the Board hoped to address this more important trend.

NEW BUSINESS

TAF and Crash Scene forms: (Jim Rooney)

Jim distributed a draft revision of the Va. SAR Council TAF and a new draft of an ASRC Crash Scene report. Suggestions should be returned to Jim within 30 days.

ASRC Rosters:

The Board decided that the secretary should be sent updated group rosters. The secretary will distribute these to the groups.

ASRC newsletter - APPALACHIAN SEARCH!:

Neil Conner expressed his concern that the ESARs were not listed as an ASRC group on the back of the newsletter on the map with the rest of the groups. Brian Wheeler and Chris Ingle suggested that an insert announcement welcoming the ESARs to the ASRC could be inserted in those issues mailed to Maryland that Neil felt were vital to their interests. Future issues will list Explorer Post 616 as a probationary affiliate group.

ASRC Bylaw revisions: (Todd L'Herrou)

Todd distributed a list of items that he thought should be amended in the Bylaws. The Board was to consider this proposal and contact the secretary within a week if they agreed that these revisions should be brought up at the next General Membership meeting or through a mail vote.

ASRC Pins and Stickers: (Todd L'Herrou)

Todd received permission to use the ASRC logo on pins and stickers for distribution within the Conference. Todd will look into companies that can produce the products and contact the Board and the groups when he is ready to place an order.

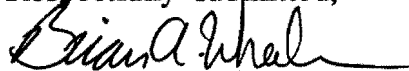
Board Discussion:

The remainder of the meeting, the Board discussed the status of the Conference and the effectiveness of the Board's work. It was soon realized that there was enough on people's minds, and the discussion was important enough, that a special get together should be scheduled. The Board decided to tentatively schedule a membership retreat for the 5-6 of December replacing the Board meeting scheduled for that date.

ADJOURNMENT

4:00 pm

Respectfully submitted,


Brian A. Wheeler
Secretary, ASRC

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Brian A. Wheeler
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BEFORE MEETING CHECKLIST!



Collect comments on the Training Standards from your group. Chris would like to see the Board consider to mail the standards out to the membership for approval at the next meeting.



Collect comments on Keith's Table of Contents. Keith plans to be at the meeting and can discuss the manual with us. He hopes to compile the comments and mail out a final version of the Table the first week in March. Then work can begin on the manual. Keith hopes to mail out a rough draft of the documentation he has by April 1, 1988. He has also set January 1, 1989 as the target date for first publication!



Check the enclosed ASRC rosters. These are the official records and if you have any corrections please bring them to the meeting.



Bring an updated group roster to the meeting.

SWVMRG: It would be helpful if you included city, zip codes, and ASRC membership levels on your roster.
ESARs: I cannot include any of you folks on the ASRC membership list until you include ASRC membership and voting status on your roster.



Collect comments on the new ASRC Application from your group. This form needs to be put into use immediately. I would like to see this meeting as the last chance for editing prior to distribution.



APPALACHIAN SEARCH & RESCUE CONFERENCE, INC.

P.O. BOX 440
NEWCOMB STATION
CHARLOTTESVILLE, VIRGINIA 22904

24 January 1988

TO: ASRC Board members, committee members, group representatives
FROM: Brian Wheeler, Secretary ASRC

RE: February ASRC Board meeting and Conference business

Dear Friends,

First of all, I would like to apologize for the delay in publishing the enclosed Board minutes and notice of the next meeting.

Enclosed are several very important documents that I would like you to study prior to the next meeting. Briefly, I feel that in our efforts to keep the Conference moving forward, the Board needs to encourage editing of documents such as these at the group and committee level. While the Conference only has a limited number of extremely enthusiastic and available members, willing to serve as leaders of their groups and on the ASRC Board, the nature of the ASRC gives us a superb pool of people with expertise and ideas in many areas. The ASRC can best take advantage of this characteristic when the leaders and the enthusiastic reach out to the rest of the Conference. It requires some extra effort, but only then can we best achieve the goals we have set.

Enclosed you will find draft versions of Chris Ingle's ASRC Training Standards and Keith Conover's Table of Contents to the future ASRC Training Manual. I believe these two projects are of the utmost importance to the ASRC and the lost person. With their completion and use, ASRC members can once again utilize the expanse of knowledge and experience that ASRC membership offers. Training to the same standard, using the same techniques and procedures, and understanding the same language is one easy way the Conference can move forward and improve the service we offer.

Recently, circulation of these documents and others has resulted in little feedback from the membership. I urge each of you to read Chris and Keith's ideas and to copy them for your training officer, operations officer, and other members of your group. If each team arrives at the meeting with suggestions or the approval of all their officers, the Board will not need to spend its time reviewing these works line by line. Instead it can take the quick action needed, knowing the people that will use these documents approve of them.

The meeting has been scheduled for 9:30 am, Sunday 7 February at SNP Headquarters in Luray, Virginia. If you have any questions please contact Greg or myself. See you soon.

3 OCT 1987

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APPLICANT MEMBERSHIP:

Purpose: to participate in Group training sessions.

General:

1. The applicant must complete an ASRC Application for membership, and submit it to a Group Training Officer (GTO).
2. The time limit for Applicant Membership shall be less than six months.

TRAINEE MEMBERSHIP:

Purpose: to be capable of serving as a trained field team member.

General:

1. To become a trainee, the applicant must:
 - a. be an Applicant Member
 - b. participate satisfactorily in four training sessions, as judged by the GTO
 - c. meet technical standards listed below, as judged by GTO
 - d. possess all gear required, as set by the ASRC
 - e. be proposed for Trainee membership by GTO at a Group business meeting and receive a favorable vote in accordance with ASRC Bylaws.
2. Trainee membership expires in one calendar year unless extended according to the ASRC Bylaws.

Technical Standards: Survival and Wilderness Travel

1. Applicant exhibits ability and knowledge to travel safely in the wilderness, as determined by the GTO.
2. The applicant must understand:
 - a. short-term survival priorities
 - b. the heat balance of the body
 - c. heat loss and ways to prevent it
 - d. the physiology of heat loss, including exhaustion and fatigue
 - e. hypothermia and frostbite
 - f. heat exhaustion, heat cramps, heatstroke and exhaustion
 - g. general survival techniques
 - h. the STOP mnemonic.

Technical Standards: Search

1. The applicant must be able to:
 - a. demonstrate clue-consciousness
 - b. function as a member of a grid team, sweep team, and hasty team, and understand his/her role in each
 - c. accompany a dog handler on simple search tasks
 - d. work well with people
 - e. operate and set up any Group-owned hand-held radio
 - f. utilise the ASRC grid
 - g. serve as a litter team member on a non-technical evacuation
 - h. responsibly and effectively handle the media in the capacity of a field team member.

ASSOCIATE MEMBERSHIP:

Purpose: to be capable of serving as a Field Team Leader.

General:

1. To become an Associate Member a person must:
 - a. be a Trainee Member
 - b. complete 10 ASRC or Group training sessions as a Trainee, including 2 on search and 2 on rescue
 - c. respond to 2 incidents per year
 - d. meet the technical standards listed below, as judged by GTO
 - e. possess all gear required, as set by the ASRC
 - f. be proposed for Associate membership by GTO at a Group business meeting and receive a favorable vote in accordance with ASRC Bylaws.
2. Associate Members must complete annual continuing education requirements, and maintain skills proficiency, as determined by the ASRC.

Technical Standards: Survival and Wilderness Travel

1. Convincingly explain the important psychological aspects of survival, including:
 - a. reactions to fear, pain, discomfort, and danger, and their effects on the mind and body
 - b. the dangers of panic, and techniques for preventing panic
 - c. evaluating and acknowledging the limits of oneself and others
 - d. the way artificial goals may interfere with rational judgement
 - e. the concept of one's pack and equipment as a life support system.
2. Briefly describe the following physiological concepts pertinent to survival:
 - a. homeostasis
 - b. energy level and exhaustion
 - c. fatigue
 - d. daily caloric (food) and water needs of the human body
 - e. the relative energy content and availability of fat, protein, starch, and sugar, including the effects of different levels of exertion and seasonal differences
 - f. conditioning for search and rescue, including conditioning for strength, flexibility, and endurance.

3. Explain the "energy budget" concept of body temperature homeostasis, including the following key points:
 - a. the routes of heat loss, and their relative importance:
 - i. temperature (conduction and radiation)
 - ii. windchill (convection)
 - iii. wetchill (conduction and evaporation)
 - b. the use of energy stores to produce heat, and the metabolic costs of shivering
 - c. vasodilation, sweating, and behavior as means of increasing heat loss, and the long-term consequences of them
 - d. vasoconstriction and behavior as means of conserving heat
 - e. the effects of tobacco and alcohol on normal heat homeostasis
 - f. the particular danger of "hypothermia weather" that is, temperatures near freezing with wind and rain.
4. Explain the major points of wilderness clothing selection, including:
 - a. listing the "3 W's" of clothing priority for wet cold climates, and explaining their importance. They are:
 - i. wind protection,
 - ii. waterproof clothing
 - iii. wool (or other warm-when-wet) clothing
 - b. the advantages, disadvantages, and appropriate uses of waterproof shell garments, and the water penetration resistance of: urethane-coated nylon, "60/40 cloth", "65/35 cloth", and Gore-tex
 - c. cold-weather dressing concepts, including: the layer principle, ventilation, "dressing cold", and the dangers associated with overheating in the winter
 - d. description of clothing materials, including cotton, down, wool, and synthetic fibers, in terms of dry warmth, wet warmth, wind protection, absorption and retention of water, and wicking of water.
5. Briefly describe pertinent local weather patterns, including the signs of arriving cyclonic winter storms, cold fronts, warm fronts, and local storms.
6. Bivouac overnight with normal field pack gear in summer, spring or fall, and carry out incident tasks for a full day following.
7. Build a functional emergency overnight shelter from local materials, and build a fire using field pack gear.

Technical Standards: Land Navigation

1. Given a standard 7.5 minute U.S. Geological Survey (USGS) topographic quadrangle map, correctly identify the following:
 - a. grades of highways, roads, trails, and bridges
 - b. power and other landmark lines
 - c. buildings, schools, churches, and cemeteries
 - d. storage tanks, wells, mines, caves, picnic areas, and campsites
 - e. benchmarks (control stations) and spot elevations
 - f. boundaries and fence lines
 - g. contour lines, depressions, cuts, and fills
 - h. perennial and intermittent streams, falls, springs, and marshes
 - i. valleys, ridges, peaks, sags (saddles, cols)
 - j. elevations and general land contours.
2. Given a photocopy 7.5 minute series topographic map section with an ASRC grid overprint, the original 7.5 minute quadrangle map, and a Uniform Map System (UMS) gridded aeronautical chart of the area, identify points via:
 - a. latitude and longitude
 - b. the ASRC grid system
 - c. the Uniform Map System
 - d. an azimuth and distance off a VOR
 - e. Universal Transverse Mercator (UTM)
3. Demonstrate northing techniques by:
 - a. pointing out the North Star
 - b. using the "sun and stick" method.
4. Briefly explain and give examples of the use of the following land navigation concepts:
 - a. catching features
 - b. "collecting" features
 - c. attack points
 - d. aiming off
 - e. coarse and fine orienteering.
5. Given only a 7.5 minute topographic quadrangle or an orienteering map with an attack point and a target plotted on it, and a standard orienteering compass, reliably and accurately:
 - a. calculate the true bearing from the attack point to the target
 - b. calculate and set on the compass the magnetic bearing to the target
 - c. follow the bearing accurately, including triangulating and boxing around obstacles.

6. Correctly locate a position on a topographic map given:
 - a. the bearings to two landmarks indicated on the map (resection)
 - b. the bearing to one landmark indicated on the map, and the information that the position is on a specified linear feature (modified resection).
7. Given bearings from two locations to a target, correctly locate it on a topographic map (triangulation).
8. Consistently complete point-to-point orienteering courses.
9. Demonstrate the ability to navigate at night.
10. Demonstrate proficiency in photocopying grid overlays onto maps.

Technical Standards: Search

1. Briefly explain the following search concepts:
 - a. passive and active search methods
 - b. clue finders and subject finders
 - c. containment
 - d. binary search and cutting for sign
 - e. the hasty search
 - f. the "bastard search"
 - g. sweep search
 - h. survey search
 - i. grid search
 - j. attraction.
2. Know and understand the ASRC Operations Manual.
3. Lead a Field Team competently on:
 - a. scratch, survey, perimeter cut, sweep, and saturation search tasks
 - b. interrogation and visual search tasks.
4. Demonstrate ability to properly brief and debrief a field team.
5. Reliably use VHF-FM mobile and handheld radios to communicate incident information including:
 - a. adjustment of channel, volume, squelch, and PL (CTCSS) controls
 - b. using the ASRC radio SOP, including proper station identification and observance of FCC regulations, proper use of prowords, and use of the ICAO (ITU) phonetic alphabet
 - c. describing various techniques for improving marginal communications encountered while using VHF-FM handheld radios.

6. Demonstrate the ability to track a person for twenty feet over various terrain types, with knowledge of:
 - a. tracking sticks
 - b. the effects of the sun and how to use them
 - c. how to identify shoe type and provide measurements
 - d. how to find stride length and width.

Technical Standards: Rescue

1. Correctly coach and supervise an untrained litter team in a non-technical evacuation including toe-nailing, laddering, and rotation of litter bearers.
2. Be a litter team member on a semi-technical evacuation.
3. Correctly tie, contour, and back up the following:
 - a. the ASRC seat harness
 - b. figure-of-eight on a bight
 - c. bowline knot
 - d. square knot
 - e. barrel knot and bend
 - f. girth hitch
 - g. taut-line hitch
 - h. figure-of-eight follow-through.
4. Demonstrate or describe the following:
 - a. ground-to-air panel and hand signals
 - b. air-to-ground aircraft signals
 - c. helicopter landing zone preparation and marking
 - d. rules for approaching helicopters.

Technical Standard: Emergency Medicine

1. Complete an ASRC "Fundamentals of Wilderness First Aid" course.
2. Possess a valid American National Red Cross or American Heart Association 2-rescuer Basic Cardiac Life Support (Cardio-Pulmonary Resuscitation) card.

CERTIFIED MEMBERSHIP:

Purpose: to be capable of serving in any capacity on an incident, except as IC or Rescue Specialist.

General:

1. To become a Certified Member a person must:
 - a. be an Associate Member
 - b. complete 10 ASRC or Group training sessions as an Associate, including 2 on search and 2 on rescue
 - c. respond to 2 incidents per year
 - d. meet the technical standards listed below, as judged by GTO
 - e. possess all gear required, as set by the ASRC
 - f. be proposed for Certified membership by GTO at a Group business meeting, and receive a favorable vote in accordance with ASRC Bylaws.
2. Certified members must complete annual continuing education requirements, and maintain skills proficiency, as determined by the ASRC.

Technical Standards: Survival and Wilderness Travel

1. Distinguish equipment suitable for wilderness search and rescue, including boots, packs, sleeping bags and pads, and stoves.
2. List the basic characteristics (voltage, life, weight, cost, temperature characteristics, and dangers) of carbon-zinc, alkaline, lithium, and nickel-cadmium cells.
3. Travel cross-country competently in a middle-Appalachian wilderness area during any time of the year, including:
 - a. large stream crossings
 - b. fourth class rock climbing
 - c. proper pace and rest stop use.
4. Bivouac overnight with normal field pack gear in winter and carry out incident tasks for the following full day.
5. Describe the means of transmission, preventive measures, and appropriate measures in suspected or possible exposure, if any, for the following diseases:
 - a. Rocky Mountain Spotted Fever
 - b. Tetanus
 - c. Rabies
 - d. enteritis and diarrhea (viral, bacterial, or protozoal)
 - e. chiggers, ticks, and mites
 - f. Lyme disease.

6. Briefly describe the causes, prevention, diagnosis, and wilderness treatment for the following:
 - a. muscle cramps
 - b. friction blisters
 - c. tendonitis;
 - d. localized infection, including ingrown nails and abscesses
 - e. contact dermatitis (e.g. poison ivy)
 - f. poisonous bites and stings, pit viper bites, spider bites, and bee stings
 - g. allergic and anaphylactic reactions
 - h. animal and human bites
 - i. fever
 - j. snowblindness
 - k. hypothermia (acute, subacute, and chronic)
 - l. heat cramps, heat exhaustion. heatstroke, and dehydration.
7. Briefly describe how one should treat the following medical problems in a wilderness setting:
 - a. subungual hematomas
 - b. nosebleed
 - c. ear infection
 - d. conjunctivitis, a foreign body in the eye, and eye abrasions
 - e. burns and frostbite
 - f. minor and major soft tissue injuries
 - g. sprains, strains, and dislocations
 - h. closed fractures, including improvised splinting
 - i. open fractures
 - j. shock
 - k. gastroenteritis, diarrhea, and vomiting
 - l. attached ticks and embedded chiggers.
8. Present important factors involved in the decision to:
 - a. administer oral fluid and electrolyte replacement
 - b. wait for an evacuation team versus beginning an evacuation with improvised methods.
9. Properly use the following improvised evacuation methods:
 - a. 2-person linked-arms "chair" carry
 - b. 2-person packstrap-and-pole carry
 - c. both split coil and sling "piggyback" carries
 - d. improvised stretchers, rope stretcher, rope and pole stretcher, parka and pole stretcher, and blanket and pole stretcher.

Technical Standards: Land Navigation

1. Consistently complete point-to-point orienteering courses of at least a 6-hour duration, at night.

Technical Standards: Search

1. Have met all requirements to be an ASRC Incident Staff member.
2. Explain the use and operation of DF-ing instruments for locating downed aircraft.
3. Be able to set up commonly-used ASRC radio equipment, including:
 - a. mobile and base radios
 - b. antennas and masts
 - c. power supplies
 - d. linear amplifiers.
4. Outline the delegation of authority and responsibility for search and rescue in states where ASRC Groups are located.
5. Briefly explain how the following legal concepts apply to search and rescue operations:
 - a. Good Samaritan laws
 - b. civil suits and criminal actions
 - c. standards of care
 - d. the right to emergency assistance and duties to provide emergency assistance
 - e. abandonment
 - f. implied consent
 - g. entry, during incidents, upon private property posted "No Trespassing"
 - h. crime scene protection
 - i. declaration of death and confirmation of death
 - j. confidentiality.

Technical Standards: Rescue

1. Correctly tie, contour, and back up the following:
 - a. water knot (overhand bend, ring bend)
 - b. Prussik knot
 - c. Headden knot
 - d. clove hitch
 - e. load-releasing hitch
 - f. cross-chest harness
2. Demonstrate the following rope handling techniques:
 - a. coiling and uncoiling a mountaineer's coil
 - b. coiling and uncoiling a inverted-loop coil.
 - c. stacking and inspecting the rope
 - d. rigging to an anchor using:
 - i. a bowline
 - ii. a tree wrap and tie-off
 - iii. loop webbing slings
 - e. casting, padding, and rigging static lines.

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3. Belay competently, including:
 - a. proper anchorage, tie-in, stance, and aim for hip belays
 - b. correct calls, up rope, slack, and fall-catching
 - c. prussik belays.
4. Demonstrate competence in braking litters with tree wrap belays and with figure-eight descenders.
5. Serve competently in all positions on a semi-technical evacuation team, including:
 - a. serving as rope team member with tree wrap brakes and with figure eight descender brakes
 - b. rigging and directing a brute-force hauling system and z-haul system, with and without directional pulleys
 - c. serving as rope team member with either hauling system
 - d. serving as litter captain
 - e. selecting a suitable anchor point.
6. Properly load and tie a patient into a Stokes litter, and rig it for semi-technical evacuations.
7. Demonstrate competence in route selection for a semi-technical evacuation.
8. Rappel properly with:
 - a. the arm rappel (French arm rappel, back rappel)
 - b. a figure eight descender (single and double wrap)
 - c. a Munter (Italian) Hitch
 - d. a long rappel rack.
9. Switch from rappel to ascend, and back to rappel.
10. Ascend sixty feet using only prussik knots.
11. Demonstrate the knowledge of, and ability to care properly for, ropes and technical rescue equipment.

Technical Standard: Emergency Medicine

~~Same as those for Associate Membership~~

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INCIDENT COMMANDER:

General:

1. To become an Incident Commander a person must:
 - a. be an Incident Staff member for a minimum of 6 months
 - b. have worked as an Incident Staff member on three incidents, including:
 - i. once as Planning Section Chief
 - ii. once as Operations Section Chief or Division Supervisor
 - c. be proposed for Incident Command membership, by an ASRC Incident Commander, to the ASRC Board of Directors.
 - d. receive a written performance evaluation from the Incident Commander on each of the three incidents in item b., above
 - e. receive a favorable vote from the members in that person's Group who have Conference voting rights
 - f. receive a favorable vote by two-thirds of the entire ASRC Board of Directors.
2. Incident Commanders must complete annual continuing education requirements, and maintain skills proficiency, as determined by the ASRC. They must also pass an annual review by the entire ASRC Board of Directors.