

FIELD TEAM MEMBER WORKSHOP

September 14, 1986

Course Outline

09:30-09:40 INTRODUCTION Bob Koester

PRE-SEARCH SKILLS

09:40-09:50 Legal issues Bob Koester 3⁺
09:50-10:35 Personal equipment Chris Ingle
10:35-10:40 Conference Alerting Chris Metzler
10:40-10:50 Break

SEARCH SKILLS (classroom)

10:50-11:05 10-55 Professionalism Bob Koester
11:05-11:45 - 11:30 SAR Operations Bob Koester
11:45-12:35 - 12:45 Survival & First Aid Bill Mackreth
12:35-12:45 - 12:55 Break
12:45-13:05 Land Navigation Brian Wheeler
13:05-13:25 Communications/Signalling Kevin Coyne
13:25-13:35 Tracking Ted Dettmar

13:35-14:45 Lunch Contract crowd and corner

SEARCH SKILLS (field)

15:00-15:45 Litter handling Small groups
15:45-16:15 Land Navigation Small groups
16:15-16:45 Tracking Small groups

-Litter handling
revolving
laddering
lifting

(1)ST - Land Nav
triangle

Tracking
demo
attempt

INTRODUCTION

! Purpose of course

Taste
Fundamental Knowledge
more depth later
something to tell friends
Prepare for the search which might occur soon

! Major Goals

Stress here for victim, foremost in mind
Personal safety
Keep self save more than one
Heroics seldom called for
Never go into field unprepared
Equipment
Knowledge
Learn not to become victim

! SAR vocabulary

Medical, Radio, Climbing, SAR, Acronyms
Stop if not told

! Questions

! Describe course outline • what course based on

! Introduce Instructors

• Chris Ingle

TIEMS
— years in group
— year History major

• Chris Metzler

Chairman, BOB
records
— years in group
— year physics major LEGAL

DFES

Level one - Field team member
two - FTL
three - Management MSF
four - Instructor

5 day all day course

8-10

• Course handouts
not followed
exactly

! National Search and Rescue (SAR) plan

Inland SAR USAF
USAF >>> State
Scott Airforce Base
Resources

• Bill Mackrell

Senior group member — years
Flight paramedic & Pegasus

Kevin Coyne

3 years

3rd year Nuc Engineer
BOB

• Brian Wheeler

Ops
NOLS graduate
— years in group

Chris Ingle

!Commonwealth of Virginia

Annex 1-AA

State defines responsibility to DES
DES assigns responsibility to SAR coordinator
Default local law enforcement
If State resources involved State Police respond
We report to State Police

Memorandum of Understanding

DES alerts us
Respond as state resource
State does not have to call us
State can tell us to leave
If we want to stay we can
Current benefits
liability
recognition of reporting to state police
state recognition
Future benefits
cost reimbursement
insurance

Good Samaritan Law

Medical
Implied consent
Abandonment
Entering private property

EMS agency

No red lights

PERSONAL EQUIPMENT

!Clothing concepts

Layering/hat
Fiber dynamics
cotton
wool
polypro
New stuff
Demonstration
Wetproof/Windproof

!The Ten essentials

!Selection Principles

- Boots
- Sleeping bag
- Ground protection & Insulation
- Daypack
- Dufflebag
- Tent
- Emergency shelters
- Light sources
- Compass
- Webbing, biner

CONFERENCE ALERTING

- !Not necessary to remember names right now
- !Basic idea
- !Several variations of alerting exist
- !Lost subjects
 - Hiker, child, elderly person, mental problems, airplane
- !Local law enforcement
 - Sheriffs Dept., County Emergency Coordinator, State Police
- !Department of Emergency Services
 - 24 hours
 - Also handle nukes, floods, etc.
- !University of Virginia Medical Communications (Medcom)
- !Pagers
- !Conference Alert Officers
 - Calls Medcom, DES
- !Finds Dispatch Officer, Incident Commander, Contacts BRMRG roster
- !Contacts AMRG, SMRG, SWVMRG, BRMRG-E
- !Status
 - Notification
 - Alert
 - pack bags
 - get work done
 - be ready to leave

Callout

as observer may not be called immediately
may wait sleepless night

!Dispatches

Overhead team
Incident staff
Highly trained field person
May go by Pegasus
Quick Response Team
Limited Response team
Full callout

PROFESSIONALISM

!Briefly state what being a professional means

!Image problems

College kids
viewed as outsiders with rescue squads
explain local rescue squad mentality
explain local law enforcement mentality

!State relationship

dealing with law enforcement
one mistake hinders future searches
new relationship with state police
no talking to media

!Characteristics of a good searcher

Physical

good health
cardiorespiratory endurance

Personality

enthusiasm
not excitable or impulsive
capable of following own initiative
cooperative in following others
sense of humor
empathetic
optimistic, while prepared for the worst
political sense

Technical

familiar with SAR
familiar with hostile environment
medical knowledge

SAR OPERATIONS

! Operate with Preplan called SAROP

! Preplan specifies how we operate and how we respond

Levels of involvement
overhead team
quick response
limited response
Full callout

! Who you see at a search

Responsible agents
National Park Service
State police
County police
Sheriff's Department
Emergency Coordinator

SAR Community

Ground Teams
ASRC
Baywood
Bridgewater
CAP

Dog Teams
Dogs East
Blue and Gray
local police hounds
U.S. Customs

Cave Rescue Communication Network

Helicopters

State police
Fairfax county
Medical
Military

Local

Rescue squads
Fire Depts
Friends

- Family
- Community
- Logistics
 - DES
 - Salvation army
 - Red cross
 - Fire and rescue auxillaries
 - Church groups

!Types of Search Tasks

- Containment
- Survey Search
- Attraction
- Tracking
- Hasty
- Sweep
- Saturation
- Electronic
- Aerial

!Management

- Yes we do it
- ICS just give name
- Important points
 - make sure to sign in/out
 - staff usually busy
 - do not hang around staff unless given specific permission

Survival and First Aid

!Survival situations

- Tasks run into night
- Lost
- Airplane crash

!All short term

- No hunting skills needed
- Food gathering
- Priorities
 - O₂ -minutes
 - Shelter-hours Hypothermia
 - Water -days (prevent hypo, frostbite, heat problems)
 - Food -weeks (fatigue leads to hypothermia)

!Psychological factors

S
T
O
P

!First Aid

!Do no harm

!Immediate triage

!ABC's

!Shock

!Bleeding

!Sprains/fractures

!Heat

Heat exhaustion, heat stroke

!Cold

Immersion foot, frostbite, hypothermia

!bites and stings

Bee stings, snakebites, tick prevention

LAND NAVIGATION

!Map Reading

7.5 minutes

Scale

Map name

Map year

Color

Contour lines

Ask FTL to show map

!Plotting Methods

The "N in national" method

UTM

ASRC

!Compass

True N. magnetic
Compass operation
Following a course
Taking a bearing

FIELD COMMUNICATION

!Signalling

Voice
Whistles
 three blast help
 two blast call
Signal mirrors
Fires
Hand and body signals

!Radios

Before turn on
 Anten. checked
 Signed out by base
 leather case
 harness
 extra battery
 plastic bag
Operation
 on-off
 volume
 squelch
 channel selection
 push to talk switch

Improving Reception

squelch
standing still
moving one yard
getting higher

Technique

little talk
think before speak
short transmissions
during rescue stay quiet

No team to team comms & base permission,

A, B, C stuff

No ETOIT
No product names

No ten codes
status 1, 2, 3