

Survival_Bible_Techniques_Tips_Attitudes_And_Skills_1995.txt

WARNING! WARNING! WARNING!

Note of the co-author this is not the final txt far from it in fact it will be done over the years, this particular file deals mostly with psychological items although I have included a bit of the others to show you some elements which will be discussed. Thanks for your support and understanding.

ANY OTHER TIPS WHICH YOU MAY HAVE SEND THEM UP TO:
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SURVIVAL BIBLE

OR

SURVIVAL.ZIP

FROM 2001-BC TO 2001 AD!
1001 SURVIVAL TECHNIQUES TIPS
& TRICKS ON ALL CLIMATES AND
CONDITONS. OVER 67 BOOKS INTO 1!
COMPILED OVER THE LAST 17 YEARS!

FROM SIR BADEN POWEL TO SAS & BACK!
OR TO SIR WITH LOVE! & ALL FREE-WARE

1 MAIN LAW OF SURVIVAL IS:

ONE OF THE MAIN LAW OF TRAVEL and SURVIVAL IS THIS:

THE MORE YOU TRY TO UNDERSTAND AN ENVIRONMENT AND THE LESS YOU TRY TO FIGHT IT, THE KINDER IT WILL BE TO YOU.

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PSYCHOLOGY #2:

WHILE IT IS TRUE AND VITAL THAT ENERGY MUST BE CONSERVED!
IT IS EQUALLY IMPORTANT THAT THE MIND MUST BE KEPT BUSY.

Experiment with new ideas and new principles. Although emergency packs are most helpful it is of equal importance to know how to use all the equipment along with what nature has provided.

ENDURANCE IS NOT ENOUGH:

This has been proven over and over again. One needs training and if at all possible one MUST have his S/Kit on him. One can not defeat cold, hunger, isolation etc by sitting on his hands!

One must know what to do, he must equip himself, mentally & physically. There are perhaps still a few realists. No Rambo!

ACCIDENTS WANTED!:

An unhealthy proportion of accidents occur because deep down underneath, someone wants them to happen. A mishap may be a face-saving excuse for some failure.

VERY OFTEN IT IS DELIBERATELY WILLED BECAUSE THE INDIVIDUAL BELIEVES HE OR SHE SHOULD BE PUNISHED.

Now and then an accident offers the simplest excuse to escape responsibility. Some use a misadventure as the easiest way to attract attention.

But once someone definitely realize that he cannot afford an accident, the percentage line up heavily against the probability of one overtaking him.

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IF YOU WANT TO SURVIVE YOU MOST LIKELY WILL IF NOT; THEN YOU WONT!

This is why it has been seen that people will deliberately destroy good equipment whereas other will improvise to survive and help others.

CONSERVATION OF HEAT & ENERGY:

CONSERVATION OF HEAT & ENERGY IS ESSENTIAL TO SURVIVAL UNDER PRIMITIVE CONDITIONS.

The task of supplying oneself with food and water, constructing shelter and needed utensils is a full time exhausting job under the best of conditions.

Hard work requires adequate fuel for the body and in the primitive life the attainment of food and water is tiring. It is a vicious circle that NEVER relents.

The "lazy" native has by necessities learned to satisfy his basic needs in what appears to be an easy going way.

BURN 1/2 BOOK AS TINDER!:

In case of survival 1/2 this book could be used to start a fire as tinder material, when one is lost in the desert, the jungle or arctic chapter are mostly useless, so go for it.

FIRST RULE OF SURVIVAL IS:

TO TAKE IT EASY and MAKE TASK LIGHT. (Even Budd lite?!?)

SURVIVAL PRINCIPLES:

YOU COULD RESUME THEM INTO 1 SIMPLE QUESTION:

WHAT DO I NEED MOST AND HOW TO GO ABOUT GETTING IT?

Of course one MUST realise the relative utility of each thing and its value.

Experiences will teach you this & REMEMBER that it is not important to succeed over a trial so much as what lesson you get from it.

For instance one MUST know by now that with enough water one can easily survive 1 month in the forest even without food.

Theory is 1 thing and practice quite another. After a while either the hunger occupies all your thought or it becomes irrelevant, or of no importance at all.

You will discover that after the second day it is easier and easier to fast till you come to the point that you realise that only death can stop the fasting.

By trial and experience you will find your limit of your power and will as well as you physical endurance and limitations.

Once you have conquered your fear and its ghost then you can survive, most of the time it is not the danger but the fear that paralyse most of us from doing any survival actions.

HOW TO BREATH PROPERLY:

It sounds strange but we have to learn to breath properly.

MEANING THAT ONE MUST EXHALE COMPLETELY! IF ONE WANTS TO USE ITS MAXIMUM STRENGTH.

A breathing control is aimed towards our ways to Exhale and Not about inhaling.

ONE REBUILDS HIS STRENGTH MUCH BETTER BY EXHALING PROPERLY THAN BY TRYING TO FORCE HIS AIR INTAKE.

IF YOU DO ANY HARD WORK, OR WALK FAST OR YOU ARE DIGGING?

YOUR OUTPUT WILL INCREASE BY 50%, IF YOU APPLY YOURSELF BY SLOWLY, EXHALING; BY PUSHING ALL THE AIR OUT OF YOUR LUNGS.

Opera singers, swimmers and runners know this trick. For example if you get into a cold shower, you have the tendency to breath faster and to tense your muscles which only aggravates your torture.

If on the other hand you try to exhale slowly and regularly you will be much surprised to notice the Little effect that this cold water has upon you. Ahhh Riiight!

This is because a Slow Exhalation helps your body to adapt itself to this change.

STRESS CONTROL and BREATHING:

A attentive control on your respiration and especially of your timing contributes to your stress control in any moments of tension, stress or #contrainte#. Most of us breath only half way.

We breath incorrectly since we don't have much choice but where

we make the mistake is we don't exhale properly, meaning that we don't do it deeply enough. Thus we often sigh which is a sign warning us of a Need for a Deep Exhalation.

A sigh is a natural mean used by our body to exhale completely once we have neglected to do so under stress. A sigh is a natural mean used by our body to exhale completely once we have neglected to do so under Stress.

Just REMEMBER in your past when there was a deep stress and after that moment was over you felt the deer need for a full exhalation.

So one MUST learn to sigh methodically. Any blockage brought to your breathing system provokes deep pains! So any amelioration will be beneficial to your body and mind.

The more one exhale air the more one is able to inhale. So the increasing of your capacity is the goal of any respiratory discipline.

To take a conscious hold of your exhalation is the # 1 factor. What we MUST strive for is to make it an habit.

BREATHING BEFORE ANY TASK!

EXHALE DEEPLY BEFORE!!! UNDERTAKING ANY TASK.

You will thus facilitate the climbing of a long stairs. Exercise yourself to breath in during 2 steps and to exhale during the next 2 steps.

2 IN and 2 OUT DEEPLY.

BUT YOU MUST EXHALE COMPLETELY BEFORE! CLIMBING THE FIRST STEP.

BREATHING TO FIGHT COLD!:

6 DEEP EXHALATIONS WILL SUSTAIN AND INCREASE YOUR RESISTANCE BY 50% AT LEAST WHEN YOU WILL HAVE TO FIGHT AGAINST A WINTER WIND!

STRESS CONTROL:

In any Harsh or Boring circumstances where Stress puts a grip on you, Exhale Slowly thus you will Recharge your Nervous System.
Hummm!

BREATHING CONTROL EXERCISES:

To help you along in this new technique, try reading out loud is a good exercise. Take an article and read on one breath as much as you can without effort.

Do this a dozen time the first day. Count the words and start over the next day, this way you can measure your improvement.

Another exercise is to count. Sit down comfortably, your back straight, inhale slowly and regularly counting to 4, pause for 1 seconde then exhale till you reach 12, the next time inhale till 5 and exhale till 15.

Keep it up this way and measure your progress. Once you have reached 21 you will notice that the fact of humming a song will help you enormously in limiting the quantity of air you exhale.

These exercise will bring much good to your overall well being and will change many of your regular habits.

A conscious breathing also brings a conscious acting or behaving. You will notice that it is impossible to slump in a coach and still breath effectively.

All one has to do is to get his shoulder blades as close together as possible to feel your lungs getting to work at their best.

After a while these exercise will become second nature for an overall better well being. It could even help you cutting down on smoking by reducing the stess overhall!

Just REMEMBER: " DEEP 6 "

1 MAIN LAW OF SURVIVAL:

THE MORE YOU TRY TO UNDERSTAND AN ENVIRONMENT and THE LESS YOU TRY TO FIGHT IT, THE KINDER IT WILL BE TO YOU.

PSYCHOLOGY #?:

While it is true and vital that energy MUST be conserved it is equally important that the mind MUST BE KEPT BUSY.

ENDURANCE IS NOT ENOUGH:

This has been proven over & over again. 1 needs training.

One MUST know what to do. One MUST equip himself, mentally and physically. If you want to survive you most likely will. If not; then you wont!

CONSERVATION OF ENERGY:

CONSERVATION OF ENERGY IS ESSENTIAL TO SURVIVAL UNDER ANY

PRIMITIVE CONDITIONS.

IF LOST RELAX: !!!

- 1) CONSERVE STRENGTH, FLUID,
heat, by moving as little as possible and SLOWLY!
- 2) PREPARE EMERGENCY SIGNALS
make shelter, inventory supplies, ration all food.
- 3) GUARD against Infections, intestinal disorders.
- 4) DON'T TRAVEL in adverse weather,
IF injured or confused. Eventually someone will find you.
- 5) STAY WITH DOWN AIRCRAFT, easily spotted. Determine your
location, scout immediate area.
- 6) DECIDE IF BEST TO TRAVEL OR STAY.

Don't separate parties; mark your path, leave messages behind,
keep a log.

- 7) KEEP knife, spare food, first/aid, signal
equipment ON YOU at ALL TIME!

DOWNHILL TRAVEL:

Travel along watersheds may triple distance, lead to marshes,
thickets etc. STRAIGHT LINE travel may be best.

TEST for EXHAUSTION:

Look up at sky, if it appears to be receding get some sleep.

ATTITUDE FOR SURVIVAL:

A person's chance of having a proper attitude to survive are attained by:

TRAINING & DRILLING FOR SURVIVAL:

The mental attitude that: It can't happen to meee! is dangerous in that the individual will not accept the situation as it exists and is blind to reality. (Ostrich way).

A great number of incidents have been recorded which indicate that previous rehearsal both mental and actual of emergency procedures usually result in automatic action on the part of the individual when crisis occurs.

Failure to have an attitude of survival may result in panic, even in person who usually are calm, and appear collected

7 ENEMIES OF SURVIVAL:

PAIN, COLD, THIRST, FATIGUE, BOREDOM and LONELINESS!

We all have experienced these but few have known them, to the extent where our survival has been threatened.

DANGERS EVALUATION VARY ACCORDING TO:

Individuals, Experiences, Conditions etc. and Training. Ex: To a citizen traffic zigzag is nothing but to a native it is very dangerous.

DANGER EXIST MOST OFTEN IN THE CONCEPTION OF IT: RATHER THAN THE

REALITY ITSELF.

The Question of survival in one case or the other is a question of: ADAPTATION!

So for the citizen he has to feel at home in the bush, then his survival is assured.

Hunters lost in forest have noticed that fear and loneliness start on them as soon as the sun goes down.

As long as the sun or daylight is up they are less worried but comes darkness his tension goes up, they rush, run and get all tired.

THIS PANIC KILLS MORE THAN 90% OF ALL LOST PERSONS.

So we MUST adapt physically and mentally to this new situation. If we succeed to get a certain physical comfort then the moral security will follow.

FEAR IS MADE OF IGNORANCE:

Knowledge of the wood and its mysteries can get rid of this fear of survival. This is what we try to show you in all different situations.

KNOWLEDGE and FORETHOUGHT COMBINED are your BEST SURVIVAL TOOL: FOR YOU AND LOVED ONES.

FIRST RULE OF SURVIVAL IS:

TO TAKE IT EASY and MAKE TASK LIGHT.

PSYCHOLOGICAL ASPECTS OF SURVIVAL:

1 OF THE MOST IMPORTANT PSYCHOLOGICAL NECESSITY FOR SURVIVAL IS:

THE CAPACITY TO ACCEPT IMMEDIATELY THE REALITY OF THE CRITICAL SITUATION WE ARE IN & TO REACT ACCORDINGLY! DEADLY TO DO THE OSTRICH!

Fear can kill or better your chances of survival. Yet no Rambo - Zorro stuff! Prudence and patience pays!

NO USE TO TRY TO WIPE OUT FEAR
BY NEGATING THE DANGER! NO!!!

ONE CAN ALWAYS BETTER UP THE SITUATION HE FINDS HIMSELF INTO.

Accepting fear as a normal reaction in front of danger will bring you to react methodically rather than impulsively thus:

WILL INCREASE ENORMOUSLY! YOUR SURVIVAL CHANCES.

THE WAY A MAN REACT TO FEAR?!? DEPENDS MORE OF HIMSELF!
THEN SITUATION ITSELF!

It is not ALWAYS the physically strongest men nor the aggressive one nor the careless ones who react best to fear.

Shy or fearsome people can react more calmly and surely under this tension of fear and have better survival chances.

ONE MUST ADMIT FEAR, LIVE WITH IT AND IF POSSIBLE USE IT TO HIS ADVANTAGE.

All true soldiers will tell you they have known fear even JESUS!

Even satan.

FEAR:

IS NOT TO BE ASHAMED OF, IT IS NOT A FAULT!

BUT NATURAL REACTION TO THE UNKNOWN. EVEN JESUS CHRIST
KNEW FEAR BUT HE CONQUORED IT.

ONE WAY TO FIGHT FEAR IS:
TO ACCEPT IT AND LIVE WITH IT, JUST LIKE A BAD COLD - DDD!

FACTORS which will INCREASE FEAR =:

POWERLESSNESS and DESPAIR.

However it was found that:

FACTORS WHICH DECREASE FEAR WERE:

- 1) The fact to have faith in the individual equipment.
- 2) The faith in the technical knowledge of the immediate superior.
- 3) Concentration on the task to do..
- 4) TRUST IN PROVIDENCE / GOD

ONE MAY WONDER WHAT TRUST IN GOD HAS TO DO WITH SURVIVAL YET IT
IS A TRUE FACT THAT IT DID & DOES HELPS GREATLY FOR THOSE WHO
HAVE THIS TRUST.

PANIC and FEAR:

FEAR OF UNKNOWN, OF PAIN, OF WORRIES OF YOUR OWN INABILITIES
ETC.

FEAR IS NORMAL UNDER CRISIS BUT ALSO SALUTARY.

IT SHARPENS YOUR INTUITION AND PREPARE YOUR INSTINCT TO REACT

IF FEAR IS NOT PROPERLY CHANNELLED IT LEADS TO PANIC &
TO DESPAIR, TO A BREAK DOWN OF YOUR WILL TO SURVIVE & TO ADDED
SUFFERINGS EVEN DEATH.

MANY POSITIVE WAYS CAN BE TAKEN TO MAKE FEAR AN ALLY! AND ANNIHL
PANIC.:

As mentioned above, the psychological preparation and technical
knowledge to survival will increase your faith in yourself and in
the environment.

Also, it is of FIRST IMPORTANCE TO IMMEDIATELY ATTACH YOUR MIND
TO STUDY THE SITUATION and OF THE ACTIONS NEEDED TO BE TAKEN IN
THAT CRISIS. (No ostrich attitude /no Rambo stuff!)

The more you concentrate on doing a task the more you minimise
fear and danger of panic.

WHAT TO DO:

1) Study the situation. Am I hurt or others? What measures of
first-aid can be taken?

What is the gravity of the wounds? What are the immediate
dangers? Am I close to water and food supply?

What is the weather? Conditions of the terrain?

What could I find around to help me survive.

2) No use to Rush! Don't go in haste without goals nor reflection, until you are fully conscious of your situation.

IT IS CAPITAL TO SAVE YOUR ENERGIES, & STRENGTH:

In survival energy is infinitely precious and time unless medical emergency is much less important.

Don't get physically tired unless you have a well thought of plan & a specific task to do (fire etc.)

Think first, act later. To rush in vain can bring an impression of inability which BRINGS TO PANIC INVARIABLY.

3) Retracing your starting point.

Most likely you will have to search, examine and get away from your drop point.

To get familiar with your new environment will give you security.

Nothing is more demoralising in survival then to lose yourself again from your drop point & not being able to go back to camp.

So examine well the surrounding, the topography and specially keep well in memory even write if you can, your discoveries, when you leave "camp" or starting point, drop along the way, guiding-marks, (easy to see), which will help your coming back.

Whatever your distress and isolation feelings, you MUST know where you are,

Even if it is only to take conscience of your environment. By doing so you will increase your chances to be rescued.

4) HOW TO CONQUER FEAR & PANIC.

BY KNOWING THE EFFECT OF FEAR AND PANIC YOU WILL DIMINISH THE DANGER.

Test it and analyse the results.

5) IMPROVISE!

No, matter where you are, you will ALWAYS discover inside your immediate surrounding of activities many means to Help you survive.

The more you will be creative, imaginative, the more you will feel recomforted and encouraged.

You MUST then modify your reference system. A tree is no more a tree but a possible food and fire source, it can also become a shelter even clothing.

Get familiar with your surrounding and miraculously your spirit will transform nature in all kinds of survival instruments.

6) VALUE LIFE!

In survival your will to survive will be stressed severely. When this will disappear all the technical know how becomes useless.

SO DON'T TAKE USELESS RISKS! BECAUSE YOU ARE THE ONLY KEY TO YOUR SURVIVAL! (Ooopppsss!)

To take unnecessary risk could bring you injuries and others etc.
which would reduce your efficiency.

7) REACT AS NATIVE.

Even in the farthest regions, it is possible to find peoples. You
MUST however approach them with prudence and courtesy. (Prudent
as a snake and gentle as dove!)

They know the land and can show you where you can find water,
food, shelter and roads to civilization. DO not to offend them
nor displease them. They can save your life!

FEAR; OUR GREATEST ENEMY ! AND BEST FRIEND!: (part 2 ?!?)

YOUR GREATEST ENEMY IS NOT: COLD, HUNGER, CLIMATE, TERRAIN
BUT FEAR!

Which can paralyse you into passive acceptance of your fate or it
can shock you into panic.

HOWEVER IT WILL DO NEITHER IF YOU REMEMBER THESE PRINCIPLES OF
SURVIVALS:

FACE THE FACTS--MAKE A PLAN "BAD PLAN IS BETTER THEN NO PLAN!

GOOD PLANS COME FROM TRAINING" KEEP BUSY AND KEEP TRYING.

IN SHORT YOUR # 1 DEPENDABLE ANTIDOTE TO ANXIETY OR FEAR
WILL BE; PURPOSEFUL ACTIVITY.

While I prepared this book from many other people experiences and
tragedies who got caught in earthquake, snowstorm, floods etc. I
realised that the:

5 MAIN CAUSES OF DEATH WERE =:

CARELESSNESS, FAULTY & INADEQUATE EQUIPMENT, PANIC AND COMPLETELY WRONG BEHAVIOUR!

KNOWLEDGE IS POWER:

This why knowledge and training helps so much. So be realist, learn ahead and enjoy it. There still maybe a few realists out there!

We have prepared this book for you to have fun while learning and should you or your love ones be caught in a jam, well you will through all those informations be able to better ALL your chances.

Don't forget GOD, He is there also to help you along.
(FEAR NOT SAID JESUS I HAVE CONQUERED THE WORLD)

NEVER TO GIVE UP HOPE!

SURVIVAL IS AN ALL OR NONE PROPOSITION!:

The alternative is death. The success is here as elsewhere, lies in having good equipment, knowing how to use it and proper mental attitude. (Some are tempermental others mostly mentals?!?)

NEVER GIVE UP HOPE. As the bible says: "TRUST IN THE LORD!"

7 ENEMIES OF SURVIVAL:

The more you know of your enemies, better are your chances to conquer them rather than being dominated by them. (1 LAW OF WAR)

PAIN:

Nature use pain to warn you of a problem, but nature also has means to remove pain. This occur when one is to busy on doing things to have time to put attention on your wounds. Pain can nearly go away if your mind is occupied in fighting for survival.

On the other hand when you draw attention on your pain it will weaken your will to survive.

If one does not keep guard the pain will eventually kill your resistance, even if the pain is not serious nor long lasting.

COLD:

Cold is a greater enemy then it appears. Not only does cold diminish your intellectual capacities, but also undermine your will to the point you only think of getting warm.

Cold is a insidious enemy which creeps on your body and spirit and weakens your will of survival.

Having difficulties to move and that you want to sleep in order to forget your main goal = SURVIVAL.

As for pain and cold, one can nearly forget thirst if one if sufficiently determined to survive.

THIRST:

Another enemy which even when not too grand will weaken your thoughts. It is also important to REMEMBER not to deprive yourself of water without necessity.

One can dehydrate himself dangerously in his struggle for survival, even when water is abundant.

The need to drink applies also in the cold temperature even though one may think he does not need it as much as the desert.

HUNGER:

It has danger on your reasoning, hunger weakens a person faculty of thinking rationally. Thirst and hunger will diminish your resistance to cold, pain and fear.

FATIGUE:

Even when moderate, it can sensibly reduce your mental capacities. Fatigue can make you neglectful, you become more and more indifferent. It is one of the most serious danger for your struggle of survival.

TEST for EXHAUSTION:

Look up at sky, if it appears to be receding get some sleep.

IT IS A FALSE IDEA THAT FATIGUE IS ONLY CAUSED BY PHYSICAL EFFORT.

Sure there is a real danger from over exhaustion, but it is equally true that fatigue can be caused by:

Despair, lack of determination, dissatisfaction, frustration or boredom.

FATIGUE:

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Can be used as a mean to escape a situation which has become too painful.

Once you have determine the dangers of a situation one can nearly ALWAYS gather his strength and keep on fighting.

LONELINESS & BOREDOM:

Represent 2 of the most dangerous enemies for survival. They are dangerous because they suddenly appear without warning.

When nothing is happening, when you hope and nothing comes along, when you MUST stay put, calm, tranquil and alone, then those feelings creep in.

This is why one MUST also use his faith and prayers to help him fight these feelings, which if not fought can bring death by despair.

LONELINESS AND BOREDOM ARE 1/2 BROTHER OF FEAR AND PANIC.

They creep slowly on you, specially after the first tasks are done and that the basic satisfaction for food, water, fire, shelter are assured.

They bring you to depression and weaken your will to survive. They require the same ANTIDOTE: define your priorities, and accomplish the needed tasks.

Many purposefull activities and plenty of talk to see how to best do it, to save energy and to be efficient.

Two head are better than 1 and cooperation is essential if you

are dealing with others. "UNITED WE STAND!"

Hope for the Best but be ready for the worst if it comes. To prepare a program, a plan secures and occupy the mind. Think time!

Start upon big project such as construction of a "permanent" shelter, (Pyramid) Start a series of daily tasks, even plan long ones, but be busy in mind and body, mostly in mind to start with. Of course this means you have already assumed your survival for food, water, etc.

OSTRICH ATTITUDE #2: vrpt**

Your chances of survival can be greatly compromised when you say to yourself: This can not happen to ME. "eee!"

Such thought will hide the reality of the situation and in front of the danger.

IT WILL PUT YOU IN THE IMPOSSIBILITY TO REACT PROPERLY!

LEARN FROM OTHERS!:

This book is made from over 50 authors & 1001 persons, and from 2001 years BC- to 2001 AD of experiences in SURVIVAL.

We know of many past experience showing that a previous preparation mentally or physically on what to do in case of emergency can condition man to react instinctively in case of need.

The fact to be unprepared mentally to survival provokes panic even on people who seem calm on normal conditions.

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Knowledge and repeated practice of the measure to adopt in case of emergency give not only faith in yourself and the feeling to be prepared in case of survival, but they can also act automatically when the victim is in a half conscious state in critical state.

PRAYERS: ????????

Many castaways have found help and comfort from prayer. Believers of course would pray to God from the first day of their ordeal but even some sceptics admit that the attempt to pray fortified them at the last moment and restored their mental balance.

Admiral Byrd noted in his snow hole that: "The human race then is not alone in the universe. Tough I am cut off from the human race, I am not alone". Belief in, its the one point where all the religion agree. It's been called various name. Many call it God. (There is but One God!)

WILL TO SURVIVE:

It has often been seen that after having been rescued and treated from all kind of sufferings some people would let themselves slowly die in hospital beds.

Those people had lost the taste and will to survive. Experiences from 100ds of soldiers in second world war, Corea, Vietnam etc.

PROVE US THAT SURVIVAL IS BEFORE ANYTHING ELSE AN ATTITUDE WAY OF LIFE:

In those crisis, wether you are alone or in group you will know problems of all kind: emotional from fear, despair loneliness and

boredom beside wounds, pain, fatigue, hunger, thirst which will diminish your will to survive.

If you are not mentally prepared to overcome all obstacles and to face the possible worst to come, your chances to get out alive in those crisis are greatly reduce.

IT IS A STATE OF MIND AFFAIR:

After having interviewed thousands of concentrations camps survivors from the second WW, experts came to face the astonishing capacity to bounce back that the human organism carry in himself, when the spirit takes the override on charge.

Our bodies are infinitely complex machines and even under the harshest and most degrading conditions.

It can maintain itself in function by its desire to live. After a certain while the energy needs that the body fills with food are practically reduce to zero.

Concentrations camps survivors were saying that; for them even under the most abject, vile and inhuman circumstances, life was worth living. Many have survived ONLY because they had this state of mind.

RESCUE:

It is when you believe that you will be rescued that your will and resistance will be stressed even more.

For exemple you see, the boat or plane that is coming and that they don't see you, you will be then, fill with despair.

Don't fall into despair, it is sure that other ships or planes will be coming. If the planes are flying in circles, it means they are looking for you.

It is then that you MUST put all your efforts together and put all your survival technic (signals) in the only goal, to be seen, when the plane or ship reappears. Reassure yourself, they will be back.

SURVIVAL MEANS: NEVER GIVE UP HOPE. TRY & TRY AGAIN & AGAIN.
NO PRIMA DONA ON EXPEDITIONS:

If ever you find yourself in the position of leading an expedition your first rule should be that all members are equal and equally responsible for looking after themselves.

There is no room for prima donnas on an expedition. Here we don't talk about the sick or dying or wounded but the well fit even if hungry.

Human nature being what it is, many in good health will use any or make up excuses to become lazy or to play prima donna.

When people are tired, uncomfortable and a bit frightened by their strange surroundings, they will suddenly become petulant and demanding of their fellows and behave worst than children even in a way they would NEVER dream of at home. This of course has a dreadful effect on morale so that everyone ends up screaming at each other or at the cook or camp-master.

It is a well known fact that when there is no chief, the mob turns ugly & in riot.

The crowd will ALWAYS prefer a dictator rather than anarchy. A

smart dictator know that and he will create anarchy so that he can take over quickly as a saviour of the people, hitler did just that, we saw the result.

So kick ass and make them work, not as a dictator so much but as a leader who if he is not taking charge and make them cooperate and behave correctly, it will be the end of the survival group entirely

This may sound harsh but it is the result of known behaviour from survivors and other experts in the field of group behaviour.

GROUP BEHAVIOUR IN SURVIVAL:

A CREW'S CHANCES OF SURVIVAL ARE LARGELY DUE TO THE ABILITY TO ORGANISE ACTIONS.

While an emergency might be expected to weld a group together, in most cases; " United we stand and divided we fall."

UNLESS a Leader attempts to plan, examine the situation, gets information and helps from his mates, then organise TOGETHER, otherwise: Panic takes over.

So, stop! Sit down! Think?? See, smell, hear, feel your new environment. Then: Start a plan on how? To act best, safely, efficiently ? 5 W's = What / where / when / how / why of any situations?

MOST LAZY WAY, TO SAVE ENERGY = THE BEST in SURVIVAL.

GROUP BEHAVIOUR IN THE STRUGGLE FOR SURVIVAL: # 2

Chances for group survival depends greatly in the men's aptitude

to keep busy. Danger does not contribute to unify the team but the reverse.

The more a situation is difficult and confused the greater the problems for the team. It is generally what occurs when comes a common danger. Fear tends to provoke panic rather than concentration of efforts in a common goal.

GROUP MORAL:

When team members have a strong bond rather than act as individuals and that they are proud of their team then their moral is way up. This factor has great advantages:

- A) The man feels supported & protected, because he knows that his survival depends of people whom he trust.
- B) In case of defeat, the team can face up the situation with more tenacity.
- C) The team can fix goals to help one another and face tomorrow.

It is not only external pressures which MUST create a high moral but also the togetherness feeling in the group.

In some occasion the mood and state of mind of some persons can become very contagious.

We can often stop panic by acting with determination, with the help of organisation and well established.

Organisation, which foresees the delegation of authorities and sharing of responsibilities. In order to get that, all team

members MUST have faith in the team and recognise:

The ABSOLUTE NECESSITY TO COOPERATE. TOGETHER WE STAND AND DIVIDED WE FALL.

IMPORTANT FACTORS TO OBTAIN IN GROUP SURVIVAL: *

THE ABSOLUTE NECESSITY TO COOPERATE CAN NOT BE OVER EMPHASIZE.
"Divided we fall"

Goals Organisation; methodical action comes when the team members know what to do and when to do it, in normal and emergency time.

To achieve this, 1 of the most important mean is:

- A) To keep the team well informed.
- B) Use of Competences: In good groups, to do the right job you need the right man. To each his own specialty helps alot.
- C) To know how to accept suggestions and critics. Even if the leader has the final decision he MUST also take in consideration the suggestions and critics of his men.
- D) Decision spirit: Hundreds of past stories show that we have rarely all the needed time wanted to take decisions.

The success of survival operation is usually due to on the spot decisions and to put into actions immediately!

E) Equipment Verification: In more cases then we can imagine the fact of not having checked the equipment led to failure in survival operation.

F) Situation appraisal: Generally we admit that to solve a problem we MUST study it beforehand.

It is often what we ignore that we fear most. Situation appraisal permits to eliminate those unknown and prepare our strength to adapt to it.

G) Knowledge and aptitudes in matter of survival will greatly increase our faith in our capacities to survive.

H) Quick reflexes: It is important to know ahead the type of reflex of the men. This knowledge permits the group to react fast in critical situations.

I) Principal goal of training a team in survival is to give you this occasion to know and understand the reflex of the persons which they have to acquire as a team acting as one man show. (To get the winning edge)

GROUP SURVIVAL:

Small groups of men showed least tendency of giving up hope and (think of suicide) because a close human contact between them had grown up in the first days of their common ordeal.

In larger groups thought of suicide may be almost as common as with isolated individuals, for individuals can feel just as lonely in a motley crowd thrown together by fate.

Pills for influencing emotions might possibly help castaways for instance over the worst of all psychological torments = Loneliness.

THE COUNTLESS VOLUNTEERS WHO HAVE SUBMITTED TO EVERY KIND OF

ORDEAL IN LABORATORIES ARE UNANIMOUS THAT THE ISOLATION TEST IS THE WORST OF ALL.

DISCIPLINE IS A MUST:

If there is no discipline among a group of castaways; MORAL SINKS ABRUPTLY & WITH IT THE CHANCES OF SURVIVAL.

When everybody does as he likes and simply lives aimlessly for the day, energy is squandered with the same work being done 2 or 3 times over because there has been no planning first.

Precious articles of equipment are destroyed by malice or carelessness.

On occasions the complete disorganisation of an undisciplined crowd may cost lives and even lead to murder.

Psychological factors contributing to the survival of groups or individuals castaways are now being studied as intensively as what these men ate or drank. (ie: this books has 25 pages on pyscho-survival alone)

For instance it has been found that chances of survival were fairly good in all groups when someone in the group (perhaps an officer) took command, drew up work schedule and told everybody what his job was.

Instead of inactive sitting and waiting for rescue, everyone now had a function to fulfil, there was less time for brooding. Most people would rather obey then command, rather be led then lead!

So they are usually glad when someone else assumes this

responsibility and are quite ready to fall in with his orders.

It may be one of the weakest members of a group who suddenly takes charge, driven by some inner power inexplicable even to himself.

They have instinctively realised that castaways MUST be occupied and MUST do something, instead of just going sitting about in the boat, apathetic, shivering, frightened and ready to die.

GROUP SURVIVAL:

A group can be a help just as a risk. The strength of a chain depends upon the strength of the weakest link.

1 DESTRUCTIVE FACTOR IN A GROUP =

DISSENSION WHICH YOU MUST AVOID THIS AT ALL COST!

Maybe one way is to walk away if you can. it is better to back off at time too. No place for pride; when life is at stake!

In crisis, reactions of the group or the individual become automatic. Groups who can unite their efforts and give themselves good leaders increase their chances. Divided we fall! United we stand!

IF THERE IS NO CHIEF; ELECT ONE:

In groups of 10 then 100 then 1,000. In order to gain a good control the group MUST do this:

1) Organise activities in function of the group survival. 2) Elect a chief 3) Create a climate of unity. (United we stand!)

WE ALL NEED ONE ANOTHER!

- 1) Whenever possible take decision under the chief direction and in collaboration with him.
- 2) In other cases, whatever is the situation.

THE CHIEF DECIDES HIS ORDERS ARE NEVER NEVER DISCUSSED.
YES\$S BOS\$S!

PERSONAL QUALITIES NECESSARIES TO SURVIVAL:

Survival can depend more of the personality then of the danger itself, or of the weather conditions or of the terrain or even the type of critical situation

It is ALWAYS one's personality which will make him resist or fail to fatigue; also permits him to take the necessary measures for survival, even to make him move his feet.

- 1) He MUST be a man who can make up his mind, decide and act.
- 2) He MUST be inventive, smart, using imagination.
(Images-in-Nations!?!)
- 3) He MUST be able to stay alone. Certain person can not stay by themselves, they need to be together.
- 4) He can adapt to a situation. Certain person refuse to change no matter whatever price to pay for their stubbornness.
- 5) He MUST keep a cool head, stay calm and master himself.
- 6) He hopes all will get better, but prepare for the worst.

- 7) He is patient. Some want to act immediately, others know to wait for a better occasion to rise up.
- 8) He has endurance. Few people know all that they can really put up with in reality, but when you expect a difficult situation, we are better ready to face the worst that can happen.
- 9) He can evaluate others. Some can displease everybody, others can be liked by all.

This comes from the attitude of taking in consideration of the mood and feelings of others.

This attitude to understand others and to foresee their reactions is of great importance in group survival.

10) He knows where his fears and worries come from, some from his past some from the situation he faces, or the future, thus he can better overcome it when he know its origin.

Ex: Fears from childhood. As soon as a survivor decides to better his state and conditions he reenforce his moral and will to survive.

OFTEN THE DANGER EXIST IN THE IMAGINATION OF MEN ONLY!?!

SOME PERSONAL REQUIREMENTS OF SURVIVAL: (It helps!)

The personality of a person will have more to do with survival than danger, weather, terrain, conditions, nature of the emergency, the following qualities are important:

THE ABILITY TO:

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- 1) Make up his Mind.
- 2) Improvise, imaginations,
- 3) Live up alone and others

- 4) Adapt to a situation.
- 5) Keep cool and Edit Calm, Collected, Strength, Gentle!
- 6) Hope for the Best, and Prepare for the Worst!

- 7) Ability to take it!
- 8) Have patience and Faith in GOD!
- 9) Figure out the other man's thoughts.

- 10) To have compassion to realise where special fears and worries come from how they could suppressed or dodge.

- 11) Some prayers might and would help to calm down and ease the pains.

- 12) NEVER UNDERESTIMATE, THE POWER, LOVE, MERCY OF GOD!
TRUST IN THE LORD"

SURVIVAL PREPARATION:

Beside psychological preparation, you MUST also face the fact that we are heading for some very hard time.

So help yourselves and others by having with you, in your car, home, plane or boat this survival bible along with a Survival Kit.

Read it and try to memorise as much as possible instead of TV wasting time. Get your family along and practice different things in this book, it will be an excellent mean to learn and to get

your family together.

NATIVE HELP:

Here are some tips to help you gain their help

- 1) Let the native establish first contact, exchange with the one who seem to be the chief.
- 2) Be friendly.courteous, patient, do not show fear, nor weapons.
- 3) Respect their ways of life.
- 4) Respect all their personal belonging (NO steal? No breaking!)
- 5) In most tribes it is men who are BOSS?!? As much as possible avoid all direct contacts or communications with women.
- 6) Natives can give you precious advice for boats and how to get food and water. Listen well and act as such, thus better our own chances for survival in their regions.
- 7) Avoid all sudden and impulsive physical contacts.
- 8) Money is of no value to them, however they are interested in change, matches, tobacco, salt, razor blades, empty containers, etc. you can use in a barter system.
- 9) Leave a good impression, others after you may need it.
- 10) Study the basic know how. It is by doing this book not just reading it. The more you will use it the better you'll know.

SLEEPING NOTE:

IT IS SAID; THAT THE SLEEPING HOURS BEFORE MIDNIGHT COUNT FOR DOUBLE TIME. IT IS ABSOLUTELY EXACT.

Not because those hours have any magical properties but because those who go to bed late add to the normal fatigue, this is what doctors call over fatigue.

LOG BOOK VITAL BOOK:

A Log Book of all your observations, time, readings, measurements, and look out points MUST be carefully kept, it is a vital and necessary book to keep in order to successfully be a survivor.

FIRE AND SHELTER:

3 ELEMENTS ARE ABSOLUTELY VITALS FOR SURVIVAL:

FIRST SHELTER THEN WATER THEN FOOD.

Once can easily go without water for a few days or food for a week or more but the cold, the rain, snow or wind can get you down and out in one night.

In critical situation you MUST then either find or construct a shelter and make fire then you will worry about finding water then food.

Look for natural shelters which at night will form a shield against prevailing winds.

The ideal being: a shallow cavity in a rocky slope facing South thus retaining longer the sun's heat.

Build your fire in front of the rock but not too close since you will install yourself between the fire and the rock in order to collect the thermal effect produced by the fire and its reflection on the rock.

In other places use the shrubs or tall trees near by to shelter you or build a shelter with what you see around you and MAKE SURE that you have your shelter shut on 3 sides and open to the fire.

IMAGINATION IS ONE OF YOUR BEST WEAPONS TO IMPROVISE & SURVIVE. Once you have secured yourself a shelter and fire and maybe have found water; think of signalization then food.

CABIN FEVER:

When it is storming out what do you do after you've slept yourself silly? You talk for a while, a long time even, but then sooner or later, cabin fever sets in.

That strange psychological malady of confined quarters that has turned genteel trappers into murderers, peaceful loving couples into fighting minks.

It turns solitary campers into strangers to themselves, who convinced they're on a tropical island, shed their clothes in the snow and decide to go for a stroll on the beach.

So, for lengthy winter camping or if there's any chance you'll be weathered in bring a chess or checker set, some cards and a thick book or two like the bible and a book on plants etc.

MILARD CENTRE FOLD:*

Other uses of this book; the international orange cover makes a highly signalling device.

The Milard centre fold*** can also be used for signalling and as an emergency close-up mirror. Placed behind a candle or a small fire, the mylard will intensify the lite.

The cover is wax-impregnated to serve as a fire starter and half of that book is only good for good tinder! ***

BURN 1/2 this BOOK AS TINDER !**

PREPARING FOR OUTDOOR ADVENTURE:

You MUST ALWAYS carry a survival kit appropriate to the occasion this means this book as well. For the kit see Survival Kit".*

- A) That before going afield you will inform a responsible person as to where you're going.
- B) When you will return? Unless most extreme conditions this book will give you the fundamentals facts for survival until help reaches you.

If you fail to return or report in within a reasonable time, help will be on the way within 24 hours.

In the majority of cases, lost or injured persons are found within 72 hrs.

You can survive for 3 or 4 days, in fact much longer, even under

very adverse conditions.

NOTE:

3 or 4 days without food or water is not deadly although veryyy booooring. Before your next outdoor trip do the following:

1) PLAN:

Know where you are going and the time and distance and terrain involved. Allow ample time for unhurried trip.

Know what ESSENTIAL equipment is required. Plan for adequate food, water and clothing.

Plan for anticipated needs. Know what weather is expected and prepare for the worst.

Choose companions of comparable mental attitude, physical condition and ability.

ALWAYS let a responsible person know where you are going and when you will return.

2) BE ALERT:

Know the potential danger of such trip. Turn back when adverse weather conditions set in or when you can't handle the terrain.

Evaluate all potential dangers. Watch for signs of physical and mental problems in yourself or others.

React to danger warning signals immediately, not later. Be observant.

3) BE PREPARED:

Physically and mentally for your trip. For changes of weather.
For emergency situations.

Carry extra food and clothes. Carry a survival kit including this
book. Know your first aid and carry a kit.

4) CARRY THIS BOOK ON YOU AT ALL TIMES.

SELF-RELIANCE IS SURVIVAL!

LOST!:

STOP IMMEDIATELY! SIT DOWN!

FORCE yourself to breathe Deeply, (Deep 6) Slowly. Conserve and
save your physical and mental resources you have.

Lean back against a tree a boulder and relax. Keep warm and dry
and insulate yourself from ground. Be assured that in these first
few minutes;

YOU NOW HAVE INCREASED YOUR SURVIVAL CHANCES by OVER 50%

THINK??? If you know you can follow your back trail you are not
lost. But if in doubt stay put, at least for the time being.

Carefully read all the sections of this book which apply to your
situation. Do as much of the following as possible BEFORE DARK.

SURVIVAL STRATEGY STUDY!:

Good planning and preparation enable the survivor to confront difficulties and dangers that pose a serious threat to survival. They become contingencies for which you are equipped.

But you can not anticipate everything. You MUST be ready to respond rapidly to the unexpected danger and to deal with potential disaster rationally & realistically.

You must overcome the tendency to panic with such conditions so easily engender and take the action appropriate to the situation.

Sometimes a collision or other accident occurs with no warning of any kind, but in most instances there is a moment of realisation that something is going to happen and it is at that moment that instinctive reaction can save lives even yours.

In many situations there is a considerable time in which an awareness of potential disaster can develop and that is when the panic reaction is probably most dangerous.

As mist closes in on a hill side reducing visibility to almost nothing and making it easy to lose any sense of direction, most people would begin to panic at the thought that they are going to be trapped.

They begin to do foolish things and increase their dangers; whereas they should already be assessing the possibilities and looking for some suitable shelter in which to wait until conditions become safe to continue.

Keeping calm, in the knowledge that you have the ability to handle the situation will not only enable you to see it through but also to see other solutions that may present themselves.

Some situations are predictable and knowledge of the techniques for handling them will minimize the risks.

Learn them, they may save your life.. They make take considerable nerve-like waiting for the right moment to escape from a car that is sinking under water-but they are based on experience and sound principles.

The answer to most general survival problems, however will often lie in inspired improvisation drawing on those skills appropriate to the situation.

Disaster may involve you in a contained situation which you MUST handle alone or you may find yourself one of hundreds of people in a large scale disaster over which there can be no control at all.

There is an enormous difference between coping with motoring accidents and dealing with an air disaster.

As these extremes will show whatever the scale the same resourcefulness and ability to call on a variety of knowledge and skill will apply.

BOTH ARE MATTERS OF LIFE and DEATH, however many people involved. REMEMBER THAT FAITH! CAN MOVE MOUNTAINS ! PRAYERS TOO !

SAS ESSENTIAL FOR SURVIVAL PSYCHOLOGY:

The following pages are from a book written by John Wiseman who is a teacher and specialist in survival in the SAS British army. He was for 26 years a professional soldier and became SAS survival instructor.

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The following methods were field tested so they are sure to help you as it help others.

Since survival problems are the same for both soldier and civilian it is good to listen to their knowledge.

The only difference is that the soldier has one more worry which is that he MUST hide himself whereas the civilian will want to attract attention to effect his rescue

Everyone wants to be a survivor but the fitter you are and the more knowledge you have the greater your chances will be.

Accidents often create survival situations so you MUST be prepared to deal with crashes, collisions and natural disasters.

You MUST know how to deal with injuries, how to keep fit and healthy and how to help others less fortunate than yourself. Water, food, fire and shelter are basic needs. You MUST know how to obtain them.

Laying out signals will attract a search and lead to rescue, but if not found, you MUST be able to navigate to safety and know how to negotiate rivers and mountain ranges.

You could be isolated anywhere in the world, from the Arctic ice to a desert etc. Each environment calls for special survival techniques.

Mountains, jungles, open plains and swamps can also seem hazardous to the survivor, but each offers some form of support & can be exploited for food, fuel, water and shelter if you know how. The effect of climate is also very important.

You MUST know how to cope with intense cold and how to survive in searing heat. They challenge the survivor in different ways.

Survival depends upon applying basic principles and adapting them to the circumstances.

Of course the reader MUST use his own judgement in the application of the methods shown in this book.

The tests for plant foods for instances are the only sure way of being certain whether a particular fruit or leaf is safe or poisonous for you.

The average person is unlikely to come to any harm if they follow the method carefully but there is risk involved since individual response to poison varies.

Even small quantities of toxic substances can be very dangerous to some people.

Some of the traps described are deadly and should NEVER be left unsupervised where other people may come to harm and they could inflict self-injury if handled carelessly.

REMEMBER once more that these methods have helped saved many SAS lives and others and they will help you to be a survivor too.

REMEMBER also that:

ALMOST EVERYWHERE NATURE PROVIDES THE NECESSITIES FOR SURVIVAL.

AND ALSO EVEN MORE IMPORTANT IS THE WILL TO SURVIVE.

EQUALLY IMPORTANT:

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Is a personal preparedness, so that you are both physically and psychologically equipped to deal with the stresses and hazards of survival conditions.

You MUST have a clear understanding of survival needs, especially of the need for and ways of obtaining water and salt.

The human species has established itself in almost every corner of the Earth and:

ALMOST EVERYWHERE NATURE PROVIDES THE NESESITIES FOR HIS SURVIVAL.

(I know I repeat but its vital!)

In some places the provision is abundant, in others very meagre and it takes common sense, knowledge and ingenuity to take advantage of the resources available.

Even more important is the will to survive. No will = no way out and REMEMBER that with God all things are possible.

Men and women have shown that they can survive in the most adverse situations, but they have done so because of their determinations to do so.

Without that the knowledge and skills in this book will be of little use if you find yourself in trouble.

Survival is the art of staying alive. Any equipment you have MUST be considered a bonus. You MUST know how to take everything possible from nature and use it to the full.

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How to attract attention to yourself so that the rescuers may find you? How to make your way to civilization, if hope of rescue is not on the cards, even navigation without map or compass etc.

You MUST know how to maintain a healthy physical and mental condition, or if sick or wounded, how to heal yourself and others.

You MUST be able to maintain your morale and that of others who share your situation, this is where prayers becomes extremely useful specially for those who haven't done so for a long time.

Lack of equipment should not mean that you are unequipped for you will carry skills and experience with you but those skills as a knife MUST not be allowed to get rusty and you MUST extend your knowledge all the time.

Anyone, young or old from whatever kind of life can find him or herself in a survival situation.

Survival skills are not only concerned with the extremes of the air crashes on a mountain peak or a shipwreck in the tropics or a vehicle breakdown in the middle of nowhere or desert.

Every time you fasten your seat belt in a car you are giving yourself a greater chance of survival.

Checking each way before crossing a road or ensuring that an open fire is safe before going to bed are survival technique as well. Safe habits that you MUST develop as much as acquiring skills.

BE PREPARED:

The Boy Scouts' motto is the right one. Anyone setting out on a

journey or planning an expedition should follow it by discovering as much as possible about the situations likely to be faced and the skills & equipment called for.

IT IS THE MOST BASIC COMMON SENSE TO PREPARE YOURSELF.

To take appropriate gear and to plan as carefully as possible.

Your kit could make the difference between failure and success, even life and death. Especially when back-packing.

Many people and me included take too much along, & have to learn from bitter experience what they really need and what we could have done without. (VCR?)

Getting the right balance is not easy. This is why we try to help you by giving these information.

FACING DISASTER:

When facing a disaster it is easy to let yourself go, to collapse and be consumed in self-pity. But it is no use giving up or burying your head in the sand and hoping that this a bad dream that will soon pass.

It won't, and with that kind of attitude it will rapidly become much worse. Only positive action can save you!

A healthy, well nourished person can physically tolerate a great deal, provided that he or she has self-confidence.

Even if sick or injured, a determined person can win through and recover from seemingly impossible situations. To do so there are many stresses that MUST be overcome.

SURVIVAL STRESSES:

The survival situation will put you under pressure both physically and mentally even morally. You will have to overcome some or all the following stresses. (Ratssss!)

Fear and anxiety. Pain, illness and injury. Cold and or heat. Thirst, hunger and fatigue

Sleep deprivation. Boredom, loneliness, isolation. Lack of teddy-bear as well. Can you cope? You have to! (See how nice we are!)

SELF-CONFIDENCE IS A PRODUCT OF GOOD TRAINING & SOUND KNOWLEDGE:

THESE MUST BE ACQUIRED BEFORE YOU HAVE TO FACE UP TO A SURVIVAL CONDITION.

The fact that you are reading this book is an indication that you have the seeds of the determination to equip yourself and that is the real starting-point.

Confidence will enable you to overcome fear, boredom, isolation and loneliness. Physical fitness plays an important part. The fitter you are the better you will survive.

Initially you may have to go without sleep to ensure that you are in a safe location, or make a long march in dangerous condition.

Do not wait until you are forced to go without sleep to see whether you are capable of doing so.

Prove it to yourself now by getting into training. Develop the

resources to cope with fatigue and loss of sleep.

You will be working hard to procure food and water. They will relieve hunger and thirst.

But finding them will tire you and you will need adequate shelter to enable you to rest and recover from your efforts.

DON'T OVERDO IT. REST FREQUENTLY AND ASSESS THE SITUATION.

Pain and fever are warning signals that call attention to an injury or physical condition.

They are not in themselves dangerous, however distressing and discomfoting. Pain can be controlled and overcome.

Its biological function is to protect and injured part to prevent you using it, but this warning may have to be ignored to avoid the risk of further injury or death.

Injured people with multiple fractures, who would certainly have died if they had just lain where they were, hoping for help, have been know to crawl long distances (12 miles in one case) from isolated regions to reach assistance.

Concentration and intense effort can actually stop and reduce feelings of pain for a time, though it is important to treat any injury as soon as possible.

REMEMBER that ignoring even a small sore or blister could lead to serious problems later, especially in the Tropics.

PSYCHO SURVIVAL # 4 :

This survival psycho file is taken from an exert of R.Digest

called Survival at Hoa Lo. It may help some of us in the future.

TAPPING CODE; NUMBER ROW THEN COLUMN Roll Call:

New man can you hear? It was Reiner! " I hear you Colonel. Its me, Lieutenant Coffee." "Welcome to Heartbreak Hotel, Jerry.

Try not to talk so loud. Communication is forbidden. The man in cell one is watching under his door for the guard's shadow. If you hear a single cough or thump on the wall, stop talking immediately."

Talking is very dangerous. You MUST learn to communicate by tapping on the walls. Its called TAP CODE.

The code is the only link we have. Look for a square of letters comprising the alphabet, except we use C for K and numeral running along the top and one side. To get the letter you want simply tap!

THE NUMBER OF THE ROW, THEN THE NUMBER OF THE COLUMN.

	1	2	3	4	5
1	A	B	C	D	E
2	F	G	H	I	J
3	L	M	N	O	P
4	Q	R	S	T	U
5	V	W	X	Y	Z

THE UNEXPECTED:

"A human being should be able to change a diaper, plan an invasion, butcher a hog, conn a ship, design a building, write a sonnet, balance accounts, build a wall, set a bone, comfort the

dying.

Take orders, give orders, cooperate, act alone, solve equations, analyse a new problem, pitch manure, program a computer, cook a tasty meal, fight efficiently die gallantly. Specialization is for insects. Robert Heinlein"

SOME LOOSE THEIR LIFE BY SHEER PRIDE! TOO COWARD TO BE AFRAID & BACK OFF OR FIND OTHER WAYS AROUND THE PROBLEM.

HOW CAN YOU PREPARE FOR THE UNEXPECTED & AVOID OSTRICH!:

Preparing for expected difficulties and dangers is difficult enough, but what chance have you of equipping yourself for the totally unknown disaster?

Yet these are the disasters that immediately spring to people's minds. The shipwreck & the plane crash or forced landing in unfamiliar & difficult terrain or in a war starting while visiting a country. Ooopss!

This is the reason for this book's existence!

There are specialised books on mountaineering, sailing or pot-holing in the desert and the jungle and the polar wastes and reading them will be part of the preparatory research before taking up these activities or travelling in these areas.

Even more important, however is to know about a whole range of skills which can be applied and adapted to all kinds of situations and to develop a way of thinking that enables you to draw upon them to find the solutions to particular problems. This is the preparation you can make for the unexpected. But it's not all.

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You can equip yourself with a few small items which will increase your chances many times over by helping you with some of the basic necessities of survival. This can tip the balance between failure and success.

They will fit in a small container slipped into a pocket of bag and can be carried anywhere. They are your survival kit.

IF & WHEN THERE IS AN EMERGENCY YOU WILL BE GLAD YOU ALWAYS?
CARRY IT. (ooopsss!)

More bulky and therefore likely to be left at home, but still compact enough to carry on a belt whenever you are travelling, are a knife and the items which will fit in your survival pouch.*

Without the basics these 2 kits provide, you can still improvise but they will give you a head start.

DON'T FORGET THIS BOOK.

COPING WITH NEW SITUATION:

Wether in a Survival situation or in any other met at some time by everyone, either world problems or personal which crowd in upon us and suddenly we feel we can not cope?

A GOOD ADVICE IS THIS ONE:

Don't try to find the answer to everything at once; go step by step, and remember that life by the yard is hard and by the inch it's a cinch.

note via s/b there is a new development via cellular telephone

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now with modem capability and soon to come with gonio ability to
check latest develop.. when ready to go to press****

WARNING:

The survival techniques described in this book are for use in
dire circumstances where the safety of individuals is at risk.

Accordingly the publisher cannot accept any responsibility for
any prosecutions or proceeding brought or instituted against any
person or body as a result of the use or misuse of any techniques
described or any loss, injury or damaged caused thereby.

In practising and perfecting these survival techniques the rights
of landowners and all relevant laws protecting certain species of
animals and plants and controlling the use of firearms and other
weapons must be regarded as paramount.

M. ASHER ESCAPE BELT: FROM ENGLISH SAS TECHICS.

ESSENTIAL PART OF THE SAS TRAINING ALWAYS WORE THEM ON YOU & WITH
THIS BOOK . OOPSSS!

It contains enough food and equipment to sustain you if you ever
have to abandon your Bergen bag it consist of:

SUGAR, TEA, RATIONS SUCH AS OXO CUBES, CHOCOLATE AND SOUP, BLOCK
OF HEXAMINE* FOR FUEL, FISHING LINE!

(best all around = 300 feet, 150lbs) + 12 HOOKS (best all around
is Mackerel #14 & #10, SNARES, A SMALL KNIFE,

SPOON, WATERPROOF MATCHES, A MUG, TORCH / CANDLE, A BUTTON COMPASS
AND A SMALL SCALE MAP OF THE AREA & 1 SPACE BLANKET!

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IT MUST BE SMALL, COMPACT, capable of being carried in a belt and provide sustenance for 2 days after that your combat survival skills come in or you are dead zero Zorro! ***add on: ****2 rpt in: in s-kit

The new band aid used for burns which has 2 uses 1 for burns and one for cuts. this a new item to include in f/aid and s/kit*****

3 MORE SURVIVAL KIT: (CARSON?)

Here are 3 added kits from survival experts. May you never need them but if so, here it is:

MOUNTAINEER'S 12 ESSENTIALS:

RECOMMENDED BY EXPERTS OF ALL TYPES:

- 1) AT LEAST ONE COMPLETE CHANGE OF CLOTHING including extra for such contingencies as rain & cold weather. A cheap lite nylon coat & pants to cut the wind is also A MUST.
- 2) EXTRA FOOD. Include extra rations in your minimum. This is your insurance policy in case something goes really wrong.
- 3) SUNGLASSES. Every time you set out for a strange area it's good to have a pair along. If you are planning on desert, alpine or winter camping, it's a rare occasion that you will not need them. Even Eskimos worry about snow blindness.
- 4) A KNIFE. A substantial pocketknife is the order of the day. No need for bowie knife and the big sheath knife for those who are out to tackle bears with bare hands. A good swiss army knife is excellent or a Buck for bigger job.

5) FIRE STARTERS, jelly, ribbon, tablets or impregnated peat bricks. There are emergencies where a fire is both necessary and difficult to start. Every kit should include a supply of starters of one kind or another.

CANDLES ARE 1 OF THE BEST!

6) EMERGENCY MATCHES. Fire starters alone don't a fire make. You need matches. Long wooden ones are best and soaked in wax to make them weather proof and keep them in a waterproof container.

"PERRON-ELLE" NOTE: Fire start-her!

"BIC TYPE OF LIGHTERS ARE A NEW ADDITION TO FIRE STARTERS IT IS VERY GOOD TO HAVE 4 or 5 OF THEM ON YOU AND IN YOUR S/KITS. A Zippo fluid lighter is also very good type!

7) A FIRST AID KIT. See on how to build one. In f/aid kit (a Kotex is a good to stop blood from any cut & to start fire too)

8) A FLASHLIGHT. Everyone should carry his own and add extra batteries & bulbs just in case.

DON'T FORGET BATTERIES!

9) MAPS. You should have a map when going to all but the most familiar places. It's not only a safety factor but can add a lot of enjoyment to your trip, helping you to find the best spots and sights.

10) A GOOD QUALITY COMPASS even 2 might help in case the first one goes berserk. (OOOPSSS!)

11) A SPACE BLANKET. It did not exist in the first writing up of

this list.

TODAY IT IS AN INVALUABLE SAFETY PRECAUTION.

Weighing only 2 ounces it opens up to a full 56"X84".

IT REFLECTS UP TO 90% OF A SLEEPER'S BODY HEAT! mM!

While at the same time keeping out rain, rain and snow. NEVER to be used BUT FOR EMERGENCIES ONLY!

ESSENTIAL AS EMERGENCY GEAR FOR ALL KIND OF USES INCLUDING SIGNALIZATION & FIRST AID QUICK WARM "MMM!) UP BLANKET.!

12) THIS BOOK! THIS BOOK!

PERRONALLY I WOULD ADD: 12B:

1 Fishing line best all around is 300ft/150lbs = fishing, snaring, wick, string. 6 Fishhooks: (best is Mackerel #14 / and 6 #10) fishing, catching birds. Snare wire: 1oz. Setting snares & other uses.

HUDSON BAY'S SURVIVAL KIT:

Drawing upon nearly 300 years of experience in the wild places has prepared a watertight emergency kit particularly for use on the trading concern's aircraft.

This 11 pounds outfit which is capable of floating measures 12 X 11 X 3 1/2" + 1 SURVIVAL BOOK! "ES-PERRON-LE! "

The content have been assembled with a view of maintaining:

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1 INDIVIDUAL NORMALLY FOR 1 WEEK, IF THE USER CUT DOWN ON EXERTION TO A MAXIMUM AND HARDSHIP TO A MINIMUM. THINK? A LOT B4 ACTING

REMEMBER!!!:

BREATHS "6" DEEPLY BEFORE!!!
ANY HARD TASKS or STRESS TIME!

And with conservative characteristic estimates that the sustenance can be stretched about 4 times as far. Here's what they include dear Rambo, ZORRO & JANE!

ITEMS: QUANTITY PURPOSE:

28 Tea bags: Make tea / (Tea quenches not coffee, + good in f/aid too) 50 Vitamin Pills: Make up diet deficiency Pilot Bread 30oz food

Butter (margarine) 16oz food / Strawberry jam 14 1/2oz.:food/
Klik (spam etc) 12oz. food / Condensed milk 14oz. food
/Chocolate bars 10 of 5oz. food

Matches:(wood) 100 Light fire & 2 Bic lighter/ Swiss Knife: 1 multi purpose / 1 Spoon for : eating, fish bait, scoop, shovel, / Whistle: signalling./1 Double face mirror signalling.
(Heliograph)(Very very useful./

1 Fishing line best all around is 300ft/150lbs = fishing, snaring, wick, string. 6 Fishhooks: (best is Mackerel #14 / and 6 #10) fishing, catching birds. Snare wire: 1oz. Setting snares & other uses. 1 Space Blanket.

2 Candles: cooking, light, etc Kleenex: 1 package multi purposes

Camphor: 1 small jar mosquito bites, cuts, chap lips.

Remember to use wooden matches and to have them waterproof by dipping them in hot wax before going out in the bushes.

FIRE STARTERS:

"PERRON-ELLE" NOTE:

"BIC TYPES OF LIGHTERS ARE A NEW ADDITION TO FIRE STARTERS IT IS CRUCIAL TO HAVE SEVERAL OF THEM ON YOU AND IN YOUR S/KITS AT ALL TIME AND EVERYWHERE.

ARMY CANTEEN: (Special container!)

If you don't have the Hudson Bay Kit then use an army kit canteen which is rectangular and fits one into the other easily and easy to make watertight as well & has collapsible handle.

AGAIN, AND AGAIN; BRING THIS SURVIVAL BOOK IN YOUR COAT POCKET AT ALL TIME. (Oooppsss?!?)

SURVIVAL SAS KIT:

A few items can make all the difference in the fight for survival. Collect the things listed below.

They can all be fitted into a small container, such as a 2 oz tobacco tin, that will hardly be noticeable when slipped into an anorak pocket.

MAKE A HABIT OF ALWAYS HAVING IT WITH YOU.

Do not choose something bigger. You may find it inconvenient to carry and leave it out on the one occasion you actually need it.

Many people who roll their own cigarettes carry such a tin. But this one is much more useful. It may save your life. The smoker is speeding up the end of his.

Experience has proved that each item earns its place, though some are more use in some situation than in others: fish hooks for instance may be invaluable in the jungle but useless in a desert.

Polish the inside of the lid to make a mirror like reflecting surface and seal it, to be waterproof with a strip of adhesive tape which can be easily removed and replaced. Don't just forget the tin.

Regularly check the contents, changing any which deteriorate such as matches, medicine tablets.

Mark all drug containers with use and dosage and a run-out date when they should be replaced. Pack spare space in the tin with cotton wool which will keep the contents from rattling and can be used for fire lighting.

FIRE IS VITAL TO SURVIVAL.

4 items are for making it.

1) MATCHES:

Waterproof matches are useful but bulkier than ordinary non-safety, strike anywhere matches, which can be made shower-proof by dipping the heads in melted candle fat. To save space, snap off half of each match stick.

It is much easier to use matches than to make fire by other

methods but don't waste them, use only when improvised method fail.

Take them one at a time from the tin and replace the lid. NEVER leave the container open or lying on the ground.

2) CANDLE:

Invaluable for starting a fire as well as a light source. Shave square for packing. If made of tallow it is also fat to eat in an emergency or to use for frying. Bring 2 at least!

But be sure it is tallow; paraffin wax and some other candles are inedible. Yet Tallow does not store well, especially in hot climates.

3) FLINT: (Fred?)

Flint will work when wet and they will go on striking along after you run out of matches.

Invest a processed flint with a saw striker. Recently on the market you can buy a magnesium flint fire starter which is great on all occasion.*** see Koets stuff**

4) MAGNIFYING GLASS:

Can start a fire from direct sunshine and be useful for searching for splinter and stings and to replace lost reading glasses. One of the advantage of the top of the line swiss knife is that it has a magnifying glass incorporated within.

5) NEEDLES AND THREAD:

Several needles, including at least one with a very large eye that can be threaded with sinew and coarse threads. Choose strong thread and wrap it around the needles.

6) FISH/BIRDS HOOKS AND LINE:

A selection of different hooks in a small tin or packet. Add a few split lead weight.

The best all around line for all kind of fish /birds is 150lbs test nylon 300 feet and the best all hook is the mackerel #14 and its smaller one #10, take 6 of each at least.

Remember that a small hook will catch both and large fish but a large hook will only catch big ones. Include as much line as possible, it will also be useful for catching birds.

7) COMPASS:

A luminous button compass. But MAKE SURE you know how to read it as some compass can be confusing and remember NEVER MAKE A READING CLOSE TO ANY METALLIC SURFACE.

A liquid type is the best but also MAKE SURE that it does not leak, has no bubble in it & is fully serviceable. The pointer is prone to rust. MAKE SURE it is on a pivot and swings freely.

8) BETA LIGHT:*

A light-emitting crystal, only the size of a small coin but ideal for reading a mag at night and useful fishing lure -expensive but just about everlasting and well worth to buy.

9) SNARE WIRE:

Preferably brass-wire 60-90cm (2-3ft) should do. Save for snares, but could solve many survival problems.

10) FLEXIBLE SAW:

These usually come with large rings at the ends as handles. These take up too much room, so remove them, they can be replaced by wooden toggle when you need to use it.

To protect from rust and breakage cover it in a film of grease. Flexible saws can be used to cut even quite large trees, but be slow when cutting. (Where's the rush John?)

11) MEDICAL KIT:

What you include depends upon your own skill in using it. Pack medicines in airtight containers with cotton wool to prevent rattling. The following items will cover most ailments but they are only a guide.

ANALGESIC: A pain reliever for mild and moderate pain. Codeine phosphate is ideal for tooth-ear and headaches.

DOSE = One tablet every 6 hours as needed but they can cause constipation as side effect so will help in case of loose bowels. Not to be taken by children, asthmatics or people with liver disorders.

INTESTINAL SEDATIVE:

For treating acute and chronic diarrhoea. Immodium is usually favoured. DOSE= 2 tablets initially, then one each time a loose stool is passed. (Shiiittt!)

ANTIBIOTIC:

For general infections. Tetracycline can be used even by people hypersensitive to penicillin. DOSE= One 250mg tablet 4 times daily, repeated 5 to 7 days. Carry enough for a full course.

If taking them avoid milk, calcium and iron preparations or other drugs containing aluminum hydroxide.

ANTIESTAMINE:

For allergies, insect bites and stings and may also help in case of bad reaction to a drug.

Piriton is recommended in Britain and Benadryl in USA. Sleepiness is a side-effect of Piriton, so useful as mild sleeping pill. Do not exceed recommended dosages or take with alcohol.

WATER STERILISING TABLETS:

WARNING:

(REMEMBER JUST 1 DROP, OR JUST MOISTENING YOUR LIPS ON BAD WATER CAN MAKE YOU ULTRA SICK EVEN KILL YOU!)

For use where water is suspect and you can not boil. Follow manufacturer's instructions. Water near any city is dangerous and in most cities in South America as well.

ANTI-MALARIA TABLETS:

Essential in areas where Malaria is present. There are types which require only one tablet taken monthly.

POTASSIUM PERMANGANATE:

Has several uses. Add to water and mix until water becomes bright pink to sterilise it, deeper pink to make an antiseptic and to a full red to treat fungal diseases such as athlete's foot.

12) SURGICAL BLADES:

At least 2 scalpel blades of different sizes. A handle can be made from wood when required.

13) BUTTERFLY SUTURES:

Use to hold the hedges of wounds together.

14) PLASTERS: (band-aids)*

Assorted sizes, preferably waterproof for minor abrasions and keeping cuts clean. They can be cut and be used as butterfly sutures. **

Use the new burn type 90% MADE OF WATER. It doubles up in its uses for burns and cuts.***

15) CONDOM:

Beside fun this can make a good water bag (1 litre).

16) 1 TAMPAX: ???

Beside its feminine use, it can be used to start a fire and as well as blood cloth when you cut deeply. (Ouch!)

17: PLATE SURVIVAL KNIFE:
WONDER KNIFE! pix need**

Hard to find but well worth it, this new survival knife is the size of your plastic money card, but made of high grade steel.

IT HAS 12 FUNCTIONS: wood saw blade, screw driver, normal blade, ruler, bottle opener, file, can opener, heliograph from its mirror polished side etc. Only \$10.00 The trick is to find it, there is a cheap imitation around but its size is much wider and bulkier.

The one I mention is the exact size of your plastic card and fits well into a wallet. This knife should be in your wallet even a spare one into your kit.

AFTER MUCH RESEARCHES I HAVE NEVER FOUND A KNIFE WITH SO MANY USES but for the big Swiss knife! DO YOUR VERY BEST TO FIND IT!

Special note here on the new multi purpose army shovel, plux pix need, as an all around big tool and weapon sword type to boot***

LIGHTER FLUID: (SPECIAL NOTE!)

A small can of it can BE EXTREMELY USEFUL TO QUICK FIRE START AND WARM UP AND MUST BE BROUGHT ALONG WHENEVER POSSIBLE!

This is one of the RAMBO T"RICKS" used by modern soldiers to light fire. IT SHOULD BE KEPT ALWAYS ON YOU, in a side pocket for emergency warm up & uses.

FAT IS THE MOST IMPORTANT FOOD:
For survival in the cold weather.

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Remember that fat in calories is the most concentrated food yet the sustenance the most difficult to find while living off the land.

If you can not get it from animals revert to insects, such as larva, grubs, and what you may dig or find by burning a small grass area.

Bear live on grubs yet they are fat enough Think insects if no games. After all St. John lived on locust and honey for many years to prove the point. Insects are very fat in protein

FOOD: (Special add notes)

ALL HEALTHY MAMMALS, BIRDS, INSECTS = EDIBLE!

ALL GRASSES, SEEDS, NUTS, FRUITS = EDIBLE

REMEMBER:

STEW GIVE THE MOST FOOD VALUE ALL EDIBLE SALT & FRESH WATER
FISHES HAVE SAFE WATER IN MEAT. Just chew or wring it.

MARINE LIFE:

ALL SEAWEED (not threadlike) below water ARE EDIBLE, cooked; eat slowly.

ARCTIC: Nearly ALL VEGETABLE = EDIBLE. ALL LICHEN IN FAR NORTH ARE EDIBLE, STEAM OR BOIL THEM FOR SAFETY.

NO KNOWN GRASS IS POISONOUS.

PLANT EDIBILITY TEST =:

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Limit diet to plants positively identifiable or seen eaten by rabbit, rodents, beavers, squirrels, raccoons, monkeys and bears.

Birds are not reliable. Place very small amount inside lower lip, taste for soapy, bitter, acid, burning taste for 5 minutes.

Increase dose every 6-10 hours. If no ill effect in 24 hours it is probably safe, but continue caution.

AVOID:

Those with MILKY SAP, (toxic) or of red colour, black spurs on grain (diseased) or that look sickly. Cook if in doubt.

4 LAST NOTES ABOUT COLD:

PREVENT COLD BY COVERING YOUR HEAD WHICH LOOSES 1/3 OF YOUR BODY HEAT. COVER ALSO YOUR NOSE WHICH LOOSES 50% OF YOUR HEAT AT THE LEVEL OF THE HEAD OF COURSE.

PREVENT COLD FEET BY PUTTING HAY OR NEWSPAPER AS SOLE. DAMPNESS IS WHAT CAUSES COLD.

IF YOUR FEET ARE WARM THE REST OF THE BODY IS ALSO WARM. MAKE SURE YOUR SHOES ARE NOT TOO TIGHT AND THAT THE NEWSPAPER SHEET IS FOLDED 4 TIMES, 1/2 A SHEET SHOULD DO IT.

CUT THE EXCESS FROM THE HEEL, & CHANGE OR REPLACE EVERY NIGHT (or as often as needed).

YOU COULD EVEN USE IT AS A FIRE STARTER IN EMERGENCY.

BACKPACK SURVIVAL: FROM: DUNCAN LONG

There's a lot of confusion about what survival means. To some, it's setting through the aftermath of an airplane wreck in a desolate area. It can mean knowing when to avoid walking in radioactive wastes.

Or, it can mean knowing how to barter with troops in the aftermath of riots, war, and looting. To others, survival has to do with avoiding danger and knowing how to deal with it when it breaks into your home in the dead of night.

Survival ideas abound and there are as many definitions and strategies as there are survivalists. Some have good ideas for survival and some have unsound tactics.

Bad ideas can mean extra work or trouble in everyday life; bad ideas during a survival situation get you killed. On-the-job training doesn't work when you're dealing with poison and gunfights, or survival.

ONE OF THE MOST DANGEROUS IDEAS--AS FAR AS I AM CONCERNED--IS THAT OF "BACKPACK SURVIVAL."

A "back-pack survivalist" is a survivalist that plans on leaving his home ahead of a disaster and taking to the woods with only what he can carry out with him.

He plans to survive through a strategy that is a sort of cross between the Boy-Scout-in-the-woods and Robinson Crusoe.

The backpack survivalist plans on outrunning danger with a four-wheel drive or a motorcycle and hopes to travel light with a survival kit of everything he might need to cope with the unexpected.

He hasn't cached anything in the area he's headed for because, chances are, he doesn't know where he's headed.

Somehow, he hopes to overcome all odds with a minimum of supplies and a maximum of smarts. Certainly it is a noble cause; but it seems like one destined to failure. And that's not survival.

(Let's back up a minute. Backpack fever--or bug-outosis--does make sense when you're facing a localized disaster like a derailed train with overturned poisonous gas cars. A potential nuclear meltdown, an impending hurricane, or similar disasters where there is a safe place to run to.

During such a time, it makes perfect sense to retreat and come back when things settle down.

Likewise, some people have to work in dangerous areas. For them, donning a backpack and heading for a retreat that they've prepared before hand is a viable survival strategy. These people aren't backpack survivalists.)

Let me make a confession. Yes, I once was a closet backpack survivalist. I had an ALICE pack and had it packed with all I could carry. As I learned more about how to survive, I realized I needed to carry more.

Soon I discovered that, just for my family to survive for a very few days, I would need a pack mule and/or a hernia operation... Something as very wrong.

Probably most survivalists start out the same way. Things are bad, so let's bug out. Backpack survivalism is an effort to deal with the possibility of a major disaster.

As backpack survivalists, we make elaborate plans centered around the idea of "bugging out" of the area we live in.

We hope to travel to an area that is safer than the one we're in and plan on living off the land or on some survival supplies we have hidden in the area.

On the home front, we carefully prepare a stock of supplies that we can quickly cart off in a car or van when things start to look bad.

As more and more plans are made and as ever more survival gear is purchased, the survivalist realizes just how much he needs to cope with in order to survive.

If he is any sort of realist, he soon amasses enough gears to warrant a truck or--more likely--a moving van just for carrying the survival equipment. (Don't laugh, there are survivalists who have large trucks for just such use.)

Some brave souls continue to make more elaborate plans and some of these survivalists may be able to pull off their plans.

Those who have really thought things out and have spared no expenses may manage to survive with a bug-out strategy.

But I think there are more logical--and less expensive--ways to survive a large crisis.

Forget all your preconceived notions for a minute.

Imagine that there is a national emergency and you are an outside observer? What happens if a nuclear attack is eminent, an

economic collapse has occurred, or a dictator has taken over and is ready to round up all malcontents (with survivalists at the top of the list)?

Situations change with time. The survivalist movement--and backpack fever--first started up when gas guzzler cars were about all that anyone drove.

That meant that a survivalist with some spare gasoline could outdistance his unprepared peers and get to a retreat that was far from the maddening crowd, as it were.

(Read some of Mel Tappan's early writing on survival retreats. His ideas are good but many have been undone with the new, fuel-efficient cars.)

With cars getting 30 or even 40 miles per gallon, it isn't rare for a car to be able to travel half way across a state on less than a tank of gasoline.

The exodus from cities or trouble spots will be more limited by traffic snarls than lack of gasoline even if the gas stations are completely devoid of their liquid fuel.

Too, there are a lot of people thinking about what to do if the time for fleeing comes. A lot of people will be headed for the same spots. (Don't laugh that off, either.)

In my area, every eighth person has confided his secret retreat spot to me. And about half of them are all headed for the same spot: an old missile silo devoid of water and food. I suspect that the battle at the gates of the old missile base will rival the Little Big Horn.)

No matter how out-of-the-way their destination, most survivalists are kidding themselves if they think others will not be headed for their hideaway spot along with them. There are few places in the US which aren't accessible to anyone with a little driving skill and a good map.

Too, there are few places which aren't in grave danger during a nuclear war or national social unrest.

Though most nuclear war survival books can give you a nice little map showing likely targets, they don't tell you some essential information. Like what the purpose of the attack will be.

The enemy may not be aiming for military targets that day; a blackmail threat might begin by hitting the heart of the farmland or a number of cities before demanding the surrender of the country being attacked. The target areas on the maps might be quite safe.

And the maps show where the missiles land IF they all enjoy 100 % accuracy and reliability. Anyone knows of such conditions in war?

With Soviet machinery? Targets may be relatively safe places to be in.

Added to this is the fact that some areas can be heavily contaminated or completely free of contamination depending on the wind directions in the upper atmosphere. Crystal ball in your survival gear?

But let's ignore all the facts thus far for a few moments and assume that a backpack survivalist has found an ideal retreat and is planning to go there in the event of a national disaster... What next?

His first concern should be that he will have a hard time taking the supplies he needs with him. A nuclear war might mean that it will be impossible to grow food for at least a year and foraging is out as well since animals and plants may be contaminated extensively.

An economical collapse wouldn't be much better. It might discourage the raising of crops; no money, no sales except for the barter to keep a small farm family going.

With large corporations doing much of our farming these days, it is not unreasonable to expect a major famine coming on the heels of an economic collapse. Raising food would be a good way to attract starving looters from miles around.

Ever try to pack a year's supply of food for a family into a small van or car? There is not much room left over. But the backpack survivalist needs more than just food.

If he lives in a cold climate (or thinks there might be something to the nuclear winter theory) then he will need some heavy clothing.

Rifles, medicine, ammunition, tools, and other supplies will also increase what he'll need to be taking or which he will have to hide away at his retreat site.

Shelter? Building a place to live (in any style other than early American caveman) takes time.

If he builds a cabin beforehand, he may find it vandalized or occupied when he gets to his retreat; if he doesn't build it beforehand, he may have to live in his vehicle or a primitive

shelter of some sort.

Thus, a major problem is to get a large enough vehicle to carry every thing he needs as well as to live in.

History has shown that cities empty themselves without official evacuation orders when things look bad. It happened in WW II and has even happened in the US during approaching hurricanes, large urban fires, & nuclear reactor problems.

So there is a major problem of timing which the backpack survivalist must contend with. He has to be packed and ready to go with all members of his family at the precise moment he learns of the disaster!

The warning he gets that warrants evacuating an area will have to be acted on quickly if he is to get out ahead of the major traffic snarls that will quickly develop.

A spouse at work or shopping or kids across town at school means he will either have to leave them behind or be trapped in the area he is in. A choice not worth having to make.

Unless he is gotten a hot-line from the White House, the backpack survivalist will not hear the bad news much ahead of everyone else.

If he doesn't act immediately, he will be trapped out on the road and get a first-hand idea of what grid-lock is like if he is in an urban area.

Even out on the open road, far away from a city, an interstate can become hectic following a ballgame...

Imagine what it would be like if everyone were driving for their lives, some cars were running out of fuel (& the occupants trying to stop someone for a ride), and the traffic laws were being totally ignored while the highway patrol tried to escape along with everyone else. Just trying to get off or on major highways might become impossible.

If things bog down, how long can the backpack survivalist keep those around from helping to unload his truck-load of supplies that they will be in bad need of?

Telling them they should have prepared ahead of time will not get many sympathetic words.

Even on lightly traveled roadways, how safe would it be to drive around in a vehicle loaded with supplies? Our backpack survivalist will need to defend himself.

But let's suppose that he's thought all this out. He has a large van, had the supplies loaded in it, managed to round every member of his family up beforehand, somehow got out of his area ahead of the mob, is armed to the teeth, and doesn't need to take an interstate route.

When he reaches his destination, his troubles are far from over. The gridlock and traffic snarls will not stop everyone. People will slowly be coming out of heavily populated areas and most of them will have few supplies.

They will have weapons (guns are one of the first things people grab in a crisis according to civil defense studies) and the evacuees will be desperate. How many pitched battles will the survivalist's family be able to endure?

How much work--or even sleep--can he get when he is constantly on the lookout to repel those who may be trying to get a share of his supplies?

This assumes that he gets to where he is going ahead of everyone else. He might not though. If he has to travel for long, he may discover squatters on his land or find that some local person has staked out his retreat area for their own.

There won't be any law to help out; what happens next? Since (according to military strategists) our backpack survivalist needs about three times as many people to take an area as to defend it, he will need to have some numbers with him and expect to suffer some casualties. Does that sound like a good way to survive?

What about the local people that don't try to take over his retreat before he gets there? Will they be glad to see another stranger move into the area to tax their limited supplies? Or will they be setting up roadblocks to turn people like the backpack survivalist away?

But let's just imagine that somehow he has discovered a place that does not have a local population and where those fleeing cities are not able to get to.

What happens when he gets to his retreat? How good does he need to be at hunting and fishing?

One reason mankind went into farming was that hunting and fishing don't supply enough food for a very large population nor do they work during times of drought or climatic disruption. What does he do when he runs out of ammunition or game?

What happens if the streams become so contaminated that he cannot safely eat what he catches? Can he stake out a large enough area to guarantee that he won't deplete it of game so that the next year is not barren of animals?

Farming? Unless he finds some unclaimed farm machinery and a handy storage tank of gasoline at his retreat, he will hardly get off first base.

Even primitive crop production requires a plow and work animals (or a lot of manpower) to pull the blade. No plow, no food for him or domestic animals.

And domestic animals don't grow on trees. Again, unless he just happens to find some cows waiting for him at his retreat, he'll be out of luck. (No one has packaged freeze-dried cows or chickens--at least, not in a form you can reconstitute into living things).

Intensive gardening? Maybe. But even that takes a lot of special tools, seeds, know-how, and good weather. Can he carry what he needs and have all the skills that can be developed only through experience?

Even if he did, he might not have any food to eat. Pestilence goes hand in hand with disasters. Our modern age has forgotten this.

But during a time when chemical factories are not churning out the insecticides and pest poisons we've come to rely on, our backpack survivalist should be prepared for waves of insects flooding into any garden he may create.

How good is he at making insecticides? Even if he carries out a

large quantity of chemicals to his retreat, how many growing seasons will they last?

Did he truck out a lot of gasoline and an electrical generator with him? No? Do you REALLY think he can create an alcohol still from scratch in the middle of no-where without tools or grain?

Then he would better to write off communications, lighting, and all the niceties of the 20th Century after his year's supply of batteries wear out and his vehicle's supply of gasoline conks out.

I am afraid we have only scratched the surface though. Thus far things have been going pretty well. What happens when things get really bad?

How good is he at removing his spouse's appendix--without electric lights, pain killers, or antiseptic conditions? Campfire dental work, anyone?

How good is he at making ammunition? Clothing? Shoes? I think you'll have to agree that this hardly seems like survival in style.

Even if our backpack survivalist is able to live in the most Spartan of conditions & has the know-how to create plenty out of the few scraps around him, he will never have much of a life ahead of him.

Camping out is fun for a few days. Living in rags like a hunted animal doesn't sound like an existence to be aimed for.

The bottom line with backpack fever is that, with any major disaster that isn't extremely localized, running is a panic

reaction not a survival strategy.

Running scared is seldom a good survival technique and backpack fever during any but a localized disaster (like a flood or chemical spill) looks like it would be a terminal disease with few, rare exceptions.

So what is the alternative?

A number of writers, from Kurt Saxon to Howard Ruff, have already suggested it but I think that it bears a retelling.

What they've said is this: get yourself situated in a small community that could get by without outside help if things came unglued nationally or internationally.

Find a spot that allows you to live in the life-style you've grown accustomed to (and a community that allows you to carry on your livelihood) but which has the ability to grow its own food and protect its people from the unprepared (or looters) that might drift in from surrounding cities during a crisis.

This spot has the ability to carry on trade within its borders and has a number of people who can supply specialized products or professional skills.

An area with two thousand to five thousand people in it along with a surrounding farm community would be ideal but sizes can vary a lot according to the climate and city.

Ideally such a town would have its own power plant with a few small industries along with the usual smattering of doctors, dentists, and other professionals.

This type of community isn't rare in the US. It's quite common in almost every state. You could probably even take a little risk and commute into a city if you must keep your current job. (In such a case a reverse backpack survival strategy just might work-you'd be bugging out to your home.)

HOME FRONT:

You do not have to miles away from civilization to be caught in a survival situation

Natural disaster, civil disturbance or military action could cut you off from all the usual services & food supplies.

Until they can be re-established you would be left to manage on your own resources and skill. (Aren't you lucky?).

With no power supplies, central heating, hot water, lighting, air-conditioning, TV and refrigeration (NO cold beer!) would all cease.

Battery radios and TV would for a time give some news of the rest of the world, if the situation is not global, but post telephone & newspaper would no longer be available.

As main water supplies ceased to function, so taps would run dry and toilets become unusable. (Rats!) Besides in case of Nuclear attack the radios and TV and all electronic gadgets go plunk, kaput! Unless deeply buried underground. No computer either!

In the countryside there would be natural resources to draw upon. In large cities shops would soon be emptied of food, sold or looted.

And plants in parks and gardens would be rapidly stripped once any private stocks had been exhausted.

The population would have to make forays out into the countryside to survive, or abandon the town, if not in a siege situation.

Suburban dwellers have more vegetable plots and open spaces to provide foodstuffs. They would be less dependent upon shops.

Those away from major centres are more likely to have their own food stocks because they cannot shop at will.

But most of them will be reluctant if not dangerous to deal with. Most families have some food in store. It should be rationed and supplemented with whatever can be found.

FOOD STORES: EC file*

Storing food is a good habit to get into, especially if you live in an isolated place, which can become completely cut-off.

If you have a year's food supply in store and add to it as you use it, you will not only be able to survive the worst, but will be able to live at last year's prices. But you will have to protect it.

The stock does not have to be established in one go. Build it up gradually, taking advantage of special offers in supermarkets. Buy an extra tin or packet and put it by.

Store your foods in a cool, dry place and off the ground. Moisture & heat can cause bacteria and mould.

If stores are left on the floor insects and rodents will help

themselves. MAKE SURE that all containers are insect and rodent-proof.

REMEMBER:

Rotate cans, so that the contents do not settle and separate. Label each can or packet with a colour fast waterproof pen, noting contents and date of storage.

Use in sequence, the oldest first. Store methodically and if a label falls off, you should still have a good idea of the contents.

KEEP IT SEALED:

Screw-tops sweet jars are ideal for storage and plastic containers with tight-fitting lids can also be used.

Do not over fill them so that they distort & the lid does not fit correctly. Use adhesive tape to seal the lids. Reseal after using some but REMEMBER that once opened the contents will begin to deteriorate.

RECOMMENDED FOOD / SHELF LIFE:

WHEAT: Indefinitely below 15C

MILK POWDER: 2 YEARS

HONEY: Indefinitely

EGG POWDER: 2 years

SALT: Indefinitely if absolutely dry.

CANNED FOODS: 3-5 years (replace regularly).

OATS: Indefinitely

COOKING OIL: 2 years (replace regularly)

RATIONS:

Complete rations are available with various menus. Either freeze-dried or dehydrated. They are lighter and less space-consuming than canned foods.

Freeze-dried is Best for both taste and texture & retain minerals that are lost in dehydration.

Although both need water for reconstitution they can in dire circumstances be eaten as dry munch.

VITAMINS: *check for repeat**

Multivitamin's tablets are a good investment. The body can store up to a month's supply of most vitamins, then health will suffer if they are not replaced.

In stress situations they are more rapidly used up. The B family and minerals, calcium and zinc are the first to go. Vitamin tables do not have unlimited shelf-life so check manufacturer's instructions.

DRIED FRUIT AND NUTS:

They are nutritious and should also be included-raisins, sultanas and currants all keep well. Nuts in their shells keep so long as they are dry. Packets of dried salted nuts such as peanuts, brazil and walnuts are highly nutritious.

POTATO POWDER:

Is a great filler for hungry stomachs and can be prepared in

several ways to make it palatable.

BROWN RICE:

Has more nourishment than long-grain white rice that loses all its goodness when boiled.

STORE LOCATION: EC file*

The cooler the storage area, the better the stores will keep. A cellar is ideal but there may be a problem with dampness so:

Keep all the stores off the ground and inspect them regularly. If there is a skylight in the cellar, cover it. The store is best kept dark. An attic is also convenient for storage. The stores are not in the way of day to day activities.

However it may get very warm in summer & access may be difficult, especially if a ladder is the only means of entry that may be awkward when trying to rotate the stocks.

The roof is also a very vulnerable position in most kinds of disaster situations. In an area where hurricanes can be expected and attic is not a good choice.

In territory liable to flooding a cellar is equally risky. Under the stairs is another area that may offer some protection, though perhaps a limited space.

Advantage should be taken of wherever is most conveniently available to store not only food but also medical supplies, disinfectant, cleansing materials and water.

If you divide your stores into more than one area, each with a

variety of items you should be well prepared.

WATER CONSERVATION:

Do not waste water washing clothes, other than underclothing.
NEVER throw water away after use.

Allow sediment to settle and it can be used again. (Providing you did not use soap or that its dust was not contaminated by radio-active material.)

It is VERY IMPORTANT to wash the hands before preparing food. But the rest of the body can wait until it rains.

The body produces natural oils, and as long as the pores are kept open, health will not be affected. You soon get used to the smell & social occasions are rare in crisis situation.

If showers are few and far between, use a damp cloth for a strip wash. Cloths left out on the lawns or bushes over night may gather enough moistures for a wipe down without using up you water stores.

Injured persons MUST receive priority for bathing and all their dressings should be boiled regularly.

FIRE:***

This note can and should be repeated in the chapter of fire because of its pertinence. (Only the bold part)**

The warmth and comfort of a fire are great moral boosters, but its most important use will be for boiling water and preserving food. These MUST take priority in the use of fuel.

FIREPLACES:

Blocked fireplaces should be opened up again and chimneys checked for obstructions.

If they are not clear there is considerable risk of setting fire to the chimneys themselves and thus to the house. (Move Santa Claus away and the Stork!).

TO CLEAR A CHIMNEY:

Tie a holly bush or similar shrub to a long rope and from the rooftop lower the rope down the chimney (A stone tied on the end will insure its drops). Now pull down the holly bush and it will clear the chimney.

IMPROVISED FIREPLACES:

Where there are no fireplaces metal containers, metal dustbins lids and central heating radiators can all be used to light a fire on.

In flats with concrete floors a fire could be lit directly on the floor. If you have a barbecue stand use it.

NEVER LEAVE A FIRE INDOORS UNATTENDED. Even one in a proper grate should be allowed to die down for the night, if no one is going to stay up to watch it.

FUEL:

Start with garden furniture, trees, shrubs, bean sticks, swings, ladders, tool handles (not the axe). When these run out start on

furnishings, (Keep the bed & Chippendale for last?). Carpets, curtains cushions will all burn

Cardboard, books & rolled -up newspaper will also give off a surprising amount of heat.

All kind of vehicle fuel can also be burned as well as the conventional heating and lighting oils.

WARNING:

Many modern fabrics and furnishings, especially PVC and foam-block furniture, produce poisonous gases when burned.

If burning these items make a fireplace in the garden or if forced to burn them in a flat, make the fire near an open window.

Cover the face with a damp cloth when you need to go near the fire to tend it & things being heated on it.

FOOD:

Note that in case of atomic war the following do not apply see food special note in Atomic War for more details..**

Check all the food in the house & ration it immediately. Use the perishable food first. Fatty foods are the first to deteriorate & canned foods the last.

DO NOT PEEL POTATOES. Much of their food value is in the skin.

REMEMBER that once electric power fails, the refrigerator and freezer will cease to function-though they may take some time to defrost, if you open their doors as seldom and briefly as

possible. Boil milk & it will keep longer.

Boil eggs or coat them in a layer of fat. If you have Inglass (a traditional method of preserving fresh eggs) simply immerse them in it.

Cook meat, wrap it in cloth and bury it in the earth. Cook pork first (which has the highest fat content), then lamb, then beef (which is the best meat to preserve).

Once a meat has been cooked & allowed to cool, DO NOT re-heat or you may Risk food poisoning.

You can only cook so much at a time, so leave the rest in the fridge or freezer while they are still cool places.

FOOD FROM THE GARDEN:

The vegetables with 4 petals, including all the #brassicas#, from wallflowers to cabbages are EDIBLE.

Hollyhocks though not very tasty are nutritious. Worms, slugs and snails are also EDIBLE.

YOU MUST AVOID bulbs such as daffodils, tulips and * #aconites# that are ALL POISONOUS.

FURTHER AFIELD:

Explore parks and open spaces for other vegetation and for hunting and trapping wildlife. Bird life in cities especially pigeons & startling will often fill the plate, especially if you bait snares and nets.

CLOSER HOME:

Beware of house plants-some of them ARE POISONOUS especially the Dieffenbachia* and Philodendron, though Orchids are good to eat.

If food is short there will be none to spare for pets & you can't afford to be squeamish. If the aquarium water has to be drunk don't waste the fish. In fact they will probably be the easiest to eat even if you do not need the water.

The cat is next in the pot. Once dressed it will be hard to distinguish from rabbit. (KENTUCKY FRIED KITTEN?) Gerbils, hamsters, rabbits, budgerigars & parrots can all be added to the diet & unless a dog is exceptionally good hunter, it should go too. (Yummy, Hot dogs!)

PRESERVING FOOD:

For method of smoking, salting and making pickles & chutney see Food preservation in other file**.

FRIDGE / SMOKE HOUSE:

When the fridge no longer functions remove the motor, cut a hole in the bottom, place it on some stones or bricks and with a fire beneath it use is as a smoke house.

SHELTER:

THE FIRST PRIORITIES WILL BE A SOUND ROOF OVER YOUR HEAD AND A STABLE STRUCTURE.

Clear any debris & ensure that there is nothing that could still collapse or fall from above and cause injury. Use slates, tiles

and bricks from other buildings to ensure that at least one building is sound.

IN COLD WEATHER:

Conserve resources by living in one room, choosing a ground floor room with a southern aspect (If you live in Northern hemisphere).

Block all draughts & avoid opening the door unnecessarily. If there is a fire burning, MAKE SURE that there is adequate ventilation to AVOID ASPHYXIATION or carbon monoxide poisoning.

Wear warm clothing to help conserve fuel and wear a hat. The more people in the room, the higher the temperature will become. Rest and keep physical exertion to a minimum.

IN VERY WARM WEATHER:

Use upstairs accommodation and spread out. Open windows on the downstairs windward side and open all windows on the #leeside# * upstairs.

Leave all the doors open and a cool breeze will blow through the house. Rest during the day and do any necessary work at night.

MOVING:

If the house proves beyond repair, or other pressures force you to evacuate, take ESSENTIAL items, food, blankets, tools, medical supplies, containers for water & materials suitable for shelter protection.

If they are not likely to be available. Use a pram or shopping trolley as transportation. Either find an empty house or building

or prepare to set up camp elsewhere.

HYGIENE:

SANITATION IS VERY IMPORTANT during the aftermath of any disaster.

Open sewers, contaminated water and the build up of rubbish all help to cause and spread disease.

Germs carried by rats, fleas and other insects, rapidly multiply. All kinds of waste should be carefully disposed of and all the procedures described should be adapted to the doorstep situation.

PERSONAL HYGIENE:

Wash with sand if there is no water available. Don't bite your nails however stressful conditions may be or put the fingers to the mouth.

Don't pick scabs or sores and keep them covered. Change underclothes regularly and wash them. (But don't use drinking water to do so.)

EXCRETA: (Not etceteras)

Urine is sterile but if large amounts accumulate they smell and attract flies. Use the "desert rose" of the kind describe in Camp craft* .Keep the tube covered. If not used directly pour all collected urine down the tube.

Build a latrine far enough from the house not to be smelt but near enough to be handy for "emergencies" there will be many such emergencies in a survival situation.

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A box with a hole cut in the base can be used as a thunder box. After use if there is water available wash yourself rather than using toilet paper. Wash the hands thoroughly afterwards.

Fit a lid to your shit box, pile earth around the bottom and then you will contain the smells and keep out flies. Move all shit with a shovel & avoid hand contact.

WARNING, ANIMALS:

They pick up diseases that can be transmitted to humans. If you handle animals, MAKE SURE you have no breaks in the skin or wear gloves. Infection can enter through the smallest of cuts. Cook all meat thoroughly.

KITCHEN WASTE:

All bio-degradable waste should be stacked in a corner of the garden and composted to enrich the soil.

Compost heaps are also a great source of yummy worms, which will add protein to your diet. However there should not be much kitchen waste. The outer leaves of cabbages that you once discarded, WILL BE EDIBLE IF YOU CUT THEM UP SMALL.

Non-biodegradable waste-cans and plastics that are not useful in some way should be burned, flattened and buried. This stops them attracting flies.

In warm climates burn ALL WASTE. Put all the ashes in the pit.

FOOD DISEASES:

Salmonella and Shigella are diseases transmitted through the oral or anal route by contaminated hands.

Sores on hands can be a source of entry for Staphylococcal food poisoning with severe stomach pains, diarrhoea & dehydration.

Clostridium Botulinum is a frequently Fatal bacilli that can be produced when canning at home if the temperatures are not high enough. It grows only when oxygen is excluded.

THERE IS NO RELIABLE WAY OF DETERMINING WHETHER FOOD IS CONTAMINATED.

So TAKE GREAT CARE if you do your own preserving. A related bacillus causes TETANUS WHICH IS DEADLY.

SHELTER & MAKING CAMP:

SELECTING WHERE TO CAMP AND KNOWING HOW TO MAKE A GOOD SHELTER ARE ESSENTIAL SKILLS.

You will need to make fire and to choose the right type of fire construction. Shelter IS NECESSARY to give shade, to repel wind, rain and to keep warmth.

SLEEP & ADEQUATE REST ARE ESSENTIAL:

And the time and the effort you put into making your shelter comfortable will make them easier to get.

If you are a victim of a plane crash or a vehicle that has let you down, it may provide a shelter or materials which one can be built, but if there is a fire or the threat of fuel tanks exploding wait until it has burned out before attempting salvage.

If you are the unequipped victim of an accident, are trapped by unexpected mist or caught by nightfall in terrain where it is not safe to proceed or if exhaustion or injury prevents you to go further.

You may have to make do with any natural shelter that you can find for the night or until you can more fully assess the situation. In this case, virtually any protection from wind, rain & cold will be welcome.

If movement down a slope seems risky, traversing even a short way along the contour may bring you out of the wind. If no cave or crevice is available to give shelter, make use of any hollow in the ground.

Add to its height, if you can by piling up rocks, but MAKE SURE that any structure is stable & use a back-pack, if you have one, to increase the windshield before settling down on the Leeward side.**

If there is still daylight to see by, you have no injuries to handicap you and are not isolated by unnegotiable cliffs or other barriers, it will be worth seeking possible better places in the vicinity.

For a long term camp you should find a secure site with convenient access to your major needs.

WHERE TO CAMP & WHERE NOT TO CAMP:

1) Hill-tops exposed to wind, move down and look for shelter on the Leaside*.

- 2) Valley bottoms and deep hollows - could be damp and especially when the sky is clear, more liable to frost at night.
- 3) Hill-side terraces where the ground holds moisture.
- 4) Spurs which lead down to water, which are often routes to animals' watering places.

If you are on high exposed ground go lower down to find a sheltered spot, but on low, wet ground you will need to climb higher to find somewhere securely dry.

Look for somewhere sheltered from the wind, on rising ground that has no risk of flooding and is safe from rock falls or avalanches.

Hot air rises, cold air sinks, so valley bottoms will often pockets of cold air and in cold weather, be susceptible to frost and damp mist.

In areas that get plenty of rainfall terraces across a slope will often be damper than the steeper ground above and below them, for water collects there before flowing further downward.

Ideally you should be near water, with a plentiful supply of wood near at hand.

Pitching camp too close to water, however may lead you to be troubled by insects and the sound of running water can hide other noises which might indicate DANGER or the sound of search or rescue parties.

ON RIVER BANKS LOOK FOR THE HIGH WATER MARK.

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In MOUNTAIN REGIONS streams can become torrents in minutes, rising as much as 5m (17ft) in an hour! Even on plains keep out of old watercourses, no matter how dry they are.

Heavy rain storms in nearby hills can easily send water rushing down them in flash floods with PRACTICALLY NO WARNINGS.

Choose ground that is reasonably flat and free of rocks and MAKE SURE that you have space to lay out signals and that you can be easily spotted by rescue parties.

Check above your head for bees or hornets nests and for dead wood in trees that could come crashing down in the next storm or high wind.

Keep away from solitary trees which attract lightning, and in forest areas keep to the edges where you can see what is going on around you.

Don't camp across a game trail- you don't want marauding animals as unwelcome guests or to find your bivouac flattened by a herd of animals (elephants?) on their way to a water-hole or bar, but stay near to any obvious human tracks.**

BEST TENT LOCATION:

Erected towards the South will AVOID the cold wind of the North as well as the rain from the East.

SHELTER FROM COLD:

In an emergency look for natural shelter in your immediate area; a shallow cave, a fallen tree, boulders.

DON'T WAIT TILL DARKNESS FALL:

Make or find a shelter while there is light. You MUST get out of the rain, wind, snow before Hypothermia sets in. Make more permanent shelter when permitted.

If nothing better punch a head-hole in plastic bag (In your S/Kit). Put it on & huddle out of wind, back against boulder, tree trunk etc. Move legs & arms frequently.

SHELTER LOCATION:*

If choice, locate shelter out of wind on high ground, not in hollow where chilling fog will settle. Stay near forest if possible. Trees are good wind breaker.

Insulate floor of shelter as deeply as you can with brush, leaves, grass- anything to keep you of the cold ground.

WHAT IS UNDERNEATH IS MORE IMPORTANT THAN WHAT'S OVER YOU.

Dig tunnel into snow if no other shelter is available. Use sticks to keep air vent open. In deep snow, base of trees can provide shelter.

Use your imagination, improvise but KEEP CONSTRUCTION SHELTER SIMPLE, DON'T WASTE VALUABLE ENERGY!

WHERE NOT TO CAMP:

Common sense is the principal determinant to be close to drinking water and firewood nearby at hand and to pick a spot as conspicuous as possible to make signal if in case of emergency.

We will AVOID spot that may be inundated by a suddenly rising stream, particularly not if we are aware of the disastrous results in some areas of storms not even visibly locally.

Warning tokens to be considered often include scars and debris left by previous high water. So AVOID dry river beds which can be flooded fast.

Lush growth may be not only rough and soggy underfoot but it may presage troublesome insects.

Also AVOID places where there may be cave-ins, avalanches, or perils from tumbling rocks.

If there are dangers of electrical storms REMEMBER that solitary trees have a tendency to attract lightning.

Particularly to be shunned will be jeopardy from falling timber.

Such trees such as cottonwoods and poplars are particular offenders when it comes to unexpectedly tumbling limbs.

The fast growing coastal pines of California are extremely brittle & therefore, threats in every sort of weather.

Whenever there is any question, we'll bivouac among small growth or in the open.

That is where we will make any winter camps in treeless northern regions, well away from lees where drifting snow can be an insidious hazard.

DESERT & SHELTER FROM HEAT:

DON'T REMOVE CLOTHING!
KEEP YOUR HEAD COVERED!

As you find / make shelter, move slowly to AVOID excessive sweating, waste of energy & dehydration. Stretch tarp, blanket overhead.

Don't stay in car, or enclosed tent that restricts air circulation. If no tarp or blanket is available for shelter, find shade under brush, shady side of car, boulder, ledges etc.

Try not to sit or to lie directly on hot ground, which is usually much hotter than air temperature. Above or below ground is desirable.

Sit or lie on brush, packs or other improvised elevation, preferably with air circulation underneath.

IF? TRAVEL IS ESSENTIAL, MOVE ONLY DURING EVENING, morning hours or during moonlit night. BEST to stay in shelter, put on aerial marker, prepare to signal*.

Leave shelter ONLY if you know precisely where to go, the length of the journey, & limits of your strength and water supply.

DON'T venture far from established shelter, you could become lost a second time.

SUMMER CAMPING ADDED TIPS:

Mosquitoes seem to hate the smell of Basilic try it out.*

THINGS TO AVOID:

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- 1) AVOID all damp ground or to be near swamps or marsh, as well as damp tall grass and also #ravines# which can be flooded any time.
- 2) AVOID also isolated trees which attract thunderbolt, #vieux sous-bois# which can provoke falling trees or branches, rocky slopes which can bring rock slides.
- 3) AVOID dead mass of waters and slow moving currents or rivers.

If there are a lot of mosquitoes try to find a place where there is a good wind and well cleared area at the tip of earth bank near a lake or on top of a hill.

- 4) AVOID to be under the permanent shadow of trees, this may be good when it is hot but when it rains then the rain keeps on coming down 1 to 2 hours after the storm and it is hard to keep your place dry afterward.
- 5) REMEMBER to pitch your tent at least 1 HOUR BEFORE SUNSET.
- 6) Sandy bottom maybe nice but they attract mosquitoes and sand bugs crazy, try to find a ground with good drain system.

NOTE: Camping MUST fill those requirement when possible: * put in proper place*

- 1) Wind sheltered
- 2) Offer wood for installation.
- 3) Offer wood for burning
- 4) Away from swamp, dampness.
- 5) Close to drinking water supply yet not too close to bugs.

- 6) Seek Dry ground as much as possible.
- 7) High enough to AVOID mosquitoes using air draft.
- 8) Tent facing East or rising sun position
- 9) Winter: Sheltered from wind as much as possible.
- 10) Winter storm ALWAYS come from West & North thus to AVOID.

SHELTER FILE:

Observe the usual wind direction & built your shelter in the opposite direction and the fire in front of you.

THE EASIEST WAY TO CONSTRUCT A SHELTER IS:

To fix solidly into the ground 2 forked sticks and to put across a pole as a ceiling and then you lean against it other poles or bunch of branches and cover the roof with grass etc.

ANOTHER EASY WAY EVEN FASTER IS:

To take only one pole and to lean it against a tree then tie it then used pine branches or leaves branches to make the sidings.

In a country like South Africa where one does not have poles at his disposal, one makes a hay wall or using brushes in a half circle so as to protect oneself from the cold wind and lights a fire in the open section.

If the sun makes your shelter too hot add another layer of grass or leaves.

THE THICKER THE ROOF THE COOLER THE SHELTER.

If it is too cold then thicken the bottom parts of the walls or built a small wall about one foot high around the walls of the shelter.

Don't forget to dig a ditch around the shelter so that the rain does not wash you off or enters your shelter.

TYPES OF SHELTER:

It will depend upon local conditions and the material available. Also on how long you expect to need it.

For immediate protection from the elements, rig up a makeshift shelter while you construct something better and more permanent.

If you decide to stay put and wait for rescue, a more long term shelter can be build and improved on as time and energy permit.

For those walking to safety, on the other hand, temporary shelters can be built at each stopping point.

They can even be carried with you if they are sufficiently light and there is a significant risk that materials may not be available at the next campsite.

A more permanent shelter will certainly be worthwhile for the sick and injured, who MUST rest up in order to regain their strength or where it IS NECESSARY to wait for the weather to clear before attempting a journey. Use the time to stockpile equipment and provisions.

HASTY SHELTERS:

If no materials are available for constructing a shelter make use of any cover and protection that is available:

Cliff overhangs, gradients and so forth, which will help shield you from wind or rain. Incorporate natural windbreaks in quickly constructed shelters.

In completely open plains, sit with your back to the wind and pile any equipment behind you as a windbreak.

BOUGH SHELTER:

Make use of branches that sweep down to the ground or boughs that have partly broken from the tree to give basic protection from the wind, but MAKE SURE that they are not so broken that they could come down on your head!

Weave in other twigs to make the cover more dense. Conifers are more suited to this technique than broad leafed trees as they require less weaving in to keep out the rain.

Make similar shelter by lashing a broken-off bough to the base of another branch where it forks from the trunk (*A).

ROOT SHELTER:

The spreading roots and trapped earth at the base of a fallen tree make a good wind and storm barrier, if they are at the right angle to the wind.

Filling in the sides between the extended roots will usually make the shelter much more effective and provide a good support for building a more elaborate shelter from other materials.

USE A NATURAL HOLLOW:

Even a shallow depression in the ground will provide some protection from the wind and can reduce the effort in constructing a shelter.

However take the necessary measures to deflect the downhill flow of water around it, especially if it is a hollow on a slope or you could find yourself lying in a pool. Make a roof to keep the rain off the and the warmth in.

THE DOOR ORIENTED SOUTH / SOUTH-EAST IS USUALLY THE BEST ALL AROUND.

BED HUNTER HEATER:

To heat up stones and wrap them well then insert them in your sleeping bag.

BRION BED HUNTER TYPE 2:

Also there is the old trapper trick: Dig a rectangular hole, fill it with hot coals which you then cover up with earth then lay a blanket over it all.

It is the ideal to sleep warm, or: Where you place your bed, light up a fire for a few hours in order to dry up the ground and to heat it up.

Then remove the fire and clean the ground, add green boughs or canvas to the ground because ONE MUST NEVER SLEEP DIRECTLY ON THE GROUND.

VERY GOOD BEDDING: (MMM!)

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For bedding a soft mass of additional boughs sandwiches between such waterproofing bark can:

FURNISH SURPRISING COMFORT EVEN WHEN THE WORLD IS RESTLESS WITH WET AND COLD.

ALSO THERE IS THE OLD TRAPPER TRICK:

Dig a rectangular hole, fill it with hot coals which you then cover up with earth then lay a blanket over it all.

It is the ideal to sleep warm, or: Where you place your bed, light up a fire for a few hours in order to dry up the ground and to heat it up.

Then remove the fire and clean the ground, add green boughs or canvas on the ground then make your bed on top, because one MUST not sleep directly on the ground.

WEATHER PREDICTION:

Certain rules good to REMEMBER about this:

Sky Brilliant yellow at sunset = wind / Pale yellow = rain / Clear far away sighting = rain past or to come./ Light cloud with indefinite edges = nice weather.

Thick clouds with well-shaped edges = wind.
If the birds fly low = will rain and wind.

Brilliant stars = nice weather coming. Night frogs #croassement# = nice day tomorrow! OLEY!

When rain comes first without wind then = a long period of bad weather with high wind and heavy rain.

But when wind comes first and is followed immediately by rain then fine weather will follow at short notice.

ANOTHER INFALLIBLE WEATHER signal is the appearance of Cumulus Nimbus cloud, a foreteller of thunderstorm.

While a greenish light in the sky preceding a thunderstorm is almost certain sign of heavy hail.

CLOUDS & THEIR READING:

CIRRUS = this is the mare's tail sky of the landsman, shows as long threads or wisps of cloud.

This is the highest of all cloud formations and is a sign of a high barometric pressure which means fine weather.

NOTE HIGH PRESSURE = FINE WEATHER:

However in cold regions where they gather in strong concentration this would mean a snow storm. (RATTSSS!)

CIRROSTRATUS & CIRRO CUMULUS:

In these clouds the former is a long wispy cloud and in the latter rounded small cloud the typical "mackerel" sky. Both = a high barometric pressure = FINE weather!

CUMULUS & CUMULUS NIMBUS:

They are the high white piled-up masses of cloud seen in summer.

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When streaked with horizontal bands it is Cumulus Nimbus or thunder cloud, a sign of coming storms which may be of a short duration, or may indicate a change in weather generally.

If they add up on top of one another in shape of heads they will tell that a storm is coming. Black and in shape of #enclume#* then a big storm is on its way.

STRATUS & NIMBUS:

Clouds are dense and dark & low in the sky = rain & mist

CIRROCUMULUS:

They are #pommelees#* clouds which look like fish scales = rain coming in the next 12 to 15 hours.

SUN CIRCLE: (Halo! LIKE AN ANGEL!)

A small circle around the sun = rains in the next 36 hours / A large circle around the sun = rains 24 hours MOON CIRCLE = RAIN! NOT AGAIN!!!

WIND DIRECTION:

To find the direction when the wind is very light, just throw some dust in the air or let it fall slowly, or small grass or suck your thumb and let the wind blow on it to tell you which side is colder = wind side.

The wind direction will help you to find what kind of weather to expect. Wind that changes quickly in their direction will tell that weather will soon change.

SMOKE:

From your campfire smoke going up in a thin vertical column = nice if the smoke is going down toward the ground then = RainNN!

DRY GRASS:

If in the morning the grass is dry = rain coming before night.

BIRDS AND INSECTS:

When the air is humid and heavy the birds fly low and the insects fly even lower than usual = soon rain coming in same day even hour.

The insects are more active before the storm but the bees are more active when comes the nice weather.

LOW FRONT PRESSURE:

A front of low pressure often warned by light winds and hardly noticeable while the air becomes heavy with humidity.

These conditions mean that the bad weather will last several days. A low pressure is something you can "smell and hear". The damp air stays low and then spread its wild smell, the sounds carry farther and the sounds are sharper.

SIGNS OF NICE WEATHER:

When the wind during a storm changes direction = nice. When the fog in morning disappears in the 2 hours after sunrise / When the moon is brilliant & its edges are sharp.

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When the sun is a red ball at sunset / When there is a rainbow at night warning then ends of rain. When there is a good Dew on the ground.

When the clouds are isolated & high. When a slight breeze blows from West or N/West / When the #nebulosity# diminish after 3 or 4pm.

When there are heat lightning at night / When it rains with an East wind and that the wind turns slowly to North East then North = nice but cool.
Brilliant stars = nice weather coming /

When the sky is rose, pink, or orange or pale blue at night.
REMEMBER a quick storm will leave as quickly.

BAD WEATHER SIGNS: (Ratttss!)

When the air is real echo? When the night temperature is higher than usual. When clouds move in opposite directions at high altitude.

When there is fog in mountains = rain in the day. / When thin white clouds (cirrus) at high altitude gather. / When there is a circle around the moon or sun.

When the clouds become dark in the afternoon. / When stormy clouds (Nimbo-Stratus & Cumulus) gather in West wind.

When after a nice weather period the wind changes direction. /
When the Cumulus quickly form at the start of the afternoon. /
When there is no Dew. / When the winds blow East or South East.

When the sun and the morning are grey and dull (beurrrk!) / When

the moon is pale, foggy and with a halo. / When the smoke rises slowly & tends to stick to the ground.

When dark clouds gather at the horizon and to the side where the wind comes from. When the clouds are slow to form and that the rain starts slowly then the rain will last many hours.
(Ratttsss!)

If the stars are real bright and numerous, the temperature will drop down much during the night except if the wind is strong but it will not rain.

When the sun sets in dark sombre clouds. When the moon rises red it will wind./ If the stars shine little and are shadowed = rain coming.

If the stars are real bright weather will change./ Lightning from the South warns of rain.

SNOW:

A Cree Indian saying: Snow like meal = snow a great deal.

NATURAL #BAROMETER#:*

Make your own: Take a piece of #sapiin# *trunk about 3/4" in diameter with a branch.

Remove all bark, easier when the sap flows then you nail it outside. When the branch goes up = nice but when the branch tips down = rainNNN!

REMEMBER:

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Tent should face East to profit from shade in afternoon and also to avoid rain and snow storm which ALWAYS comes from North and West. This applies to North America but * elsewhere?

In the East it is opposite! Far East is Far Out! Far Away & FAR-WEST RAMBOZO!

WEATHER AND INFORMATION:

CLOUDY SKIES:

REMEMBER this old sailor's chant: Mackerel scales and mare's tails, make tall ships carry low sails. These (cirrocumulus and cirrus clouds) are indications of stormy weather ahead.

Cirrocumulus do indeed look like the sky's covered with mackerel scales etc. If the sky is full of both, rain within 24 hours or less is almost certain.

SHEEP OR FLEECE CLOUDS:

Those white picture calendar puffballs or cumulus are camper's delight fairly guaranteeing a beautiful day ahead except when they decide to merge, forming bigger and bigger tall top-heavy clouds, or thunder-heads, sinking visibly under their own weight.

When they start pressing down from the sky, they will bring with them rain, lightning and possibly hail.

Usually they will darken at the bottom as they build up and the rain they bring will be scattered in localized summer showers or squalls under the dark areas.

The faster they change from white to black sheep, the shorter the storm. Conversely if it's all day a coming, it will be around for

a while.

STRATUS CLOUDS:

Long ploughed furrows of white that go from horizon to horizon, bring either rain or snow if they build up enough. If not, why, it'll still be clear the next day.

The only way you'll know which to expect is to have watched them, and the results that followed many times. Keep your eye on them, you'll learn to gauge the future of the weather.

NIMBUS CLOUDS:

Are a sure bet it will rain or snow. Unfortunately by the time they arrived on the scene it's usually already in inclement weather.

They are low-hanging grey, shapeless mass, a misty dark overcast. The trick is to be able to spot the beginnings of this low mist.

The first sign of its pulling itself together usually means prolonged drizzly weather ahead. Low clouds in general bring bad weather.

THE WINDS THAT BLOW: GONE WITH THE WIND?

Wind brings the clouds and the weather. In many regions it's the best indication that a change is imminent. If there's no wind, there'll be no change in the weather.

Before we go any further, which way does a West wind blow? It blows from the West. Here is some weather calling wind rhyme to help along.

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When the wind is in the North / The skilful fisher goes not forth. When the wind is in the East / This is good neither for man nor beast.

When the wind is in the South / It blows the bait in the fish's mouth. When the wind is in the West / There is the very best.

FOLK SIGNS:

A ring around the moon at night or around the sun (in their house) ALWAYS means it will rain or snow the next day. A small circle 36 hours and a big one within 24 hours.

HERE IS MOST CONSISTENTLY CORRECT VERSE FORECAST PARTICULARLY IN OCEAN, LAKE OR RIVER REGION:

Red sun in the morning / Sailor takes warning. Red sun at night / Sailors delight. / When the dew is on the grass / Rain will NEVER come to pass.

It's true that humidity at ground level has a strong relationship to that higher up in the atmosphere. When you see a heavy dew or frost in the morning, you can usually count on a good day.

If it's dry in the morning you can almost ALWAYS count on the sky feeling the ground need to be moistened a bit.

While you're sitting by a camp fire watch the smoke. If the smoke rises straight, the weather will stay clear.

If the smoke just spills over & hangs heavily around the ground, rain is almost certain.

The prevailing wind in the region is a good omen. Look at the leaves on the trees around you. They naturally lie so they won't be ruffled by the wind.

Wind from a different direction than usual, however blows the leave's underside up. Bad weather ahead.

ANIMAL SIGNS:

Wild things are much more sensitive than we to the changes in atmospheric pressure and their behaviour reflects it, in many cases turning them into living barometers.

Probably the best long range weather forecaster is the Elk. Out West come fall, when the Elk decides to descend from their mountain pastures. You know then that winter's only a couple days away.

Deer in the Northern do the same but are not as reliable. Migrating birds are another sign to get your winter camping gear ready. If the geese come early, be prepared for a long cold season.

BIRDS SIGNS:

If the ducks overhead are high, the weather will be good, if they are low they'll be taking shelter soon.

In general birds will snuggle up close to a tree trunk rather than sit far out or high if rain is coming. They will also stop signing, rain not being much to sing about when you're living in a tree.

FOOD:

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ALL HEALTHY MAMMALS, BIRDS, INSECTS == EDIBLE!

Yet beware of city & water and radiation contamination and pollution!

SHELTER:

AVOID Wind, high-water lines, poor drainage. Vent to AVOID carbon monoxide.

NATURAL SHELTER =:

Caves; overhangs; between rocks; snow banks; under tree with tops tied together; sand burrow; hollow tree; hole in snow around tree;

LEAN-TO:

Tarp or bark, snow blocks cut with knife or stick from trench. Build sleep platform inside, drain, vents. Candle heat about 32 Fahrenheit.

WATER:

To SURVIVE 10 days on no water at 50F. one NEEDS 3-4 pints /day and most can come from food. Look uphill for pollutants.

BOIL & THEN, Test taste water, boil 10 minutes. To be safe or USE WATER TABLETS (Iodine pills).

ANIMALS:

Trails usually intersect at angle toward water, follow downhill.

Birds fly to water early morning & evening. Nervousness indicates water nearby.

VINES:

Tree roots, thin branches, high-water content; stand sections on end to drain in a trough. AVOID MILKY SAP.

WATER FROM URINE:

URINE salts like sea water = OK distilled, better to freeze it.- First crystals to form are pure water.

SNOW-ICE:

50% less fuel needed to melt ice. Melt snow in hand or packed in can over fire. Eating raw snow causes dehydration. Ice is best.

OCEAN ICE:

1 year or more old loses salt, is fresh (bluish). Find in high-places where summer has thawed. Icebergs = salt free.

OCEAN BEACHES:

Dig hole below hi-tide line or behind dunes, use first water seeping in-deeper water is salty.

WATER AT SEA:

Use solar still. OK to add a little salt water to distilled or rain water for minerals. Salt water kills 1 or 2 days faster than no water at all.

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Salt water MUST be drunk as soon as possible up to 900 ML / daily then use fresh water if any, from dew, fish juice etc. To balance it out.

ALL EDIBLE SALT & FRESH WATER FISH HAVE SAFE WATER IN MEAT, CHEW OR WRING IT OUT IN A CLOTH.

RAINWATER:

Collect all. Dew-wring out of blankets etc. laid open. Mop from grass, rock, cacti or other surfaces.

SWAMP / TROPICS:

Standing water usually unfit, streams muddy. Dig hole 9 feet from shore, let the waters filter in, strain, purify. (Halazone, Chlorine pills are Unreliable.

ARID LANDS: & DESERT:

AVOID water holes where green vegetation doesn't thrive = (poison).

Look for water around vegetation. Especially Willows, Cottonwood**

Low laces in outside bend or dry creeks (dig holes wait 2 hours) base of cliffs, hills mountains, canyon heads.*

*Mineral stained rock; rainwater "potholes" in rocky places; low places between dunes. Muddy water = OK let silt settle.

CACTI:

ALL CACTI IN WORLD ARE SAFE.

Mash core, extract liquid, taste varies. Small Barrel (Fishhook)
Cactus & Yucca best.

PURIFY ALL ARID LAND WATER:

Because of pollution purify ALL water near any town, villages
etc. (Boil 10 minutes).

Alkali, mineral flavours nearly always present. OK in small
quantities, bleach through bag of sand; add charcoal or boil.

SOLAR STILL:

In open, damp place use a 6'x6' clear plastic sheet over hole,
sealed edges, rock centre weight, bucket collects water
evaporated from ground, add vegetation pieces, urine. Collect 1
quart in 2 hours.

PURIFICATION:

Boil 10 minutes. Strain. Boil with charcoal removes bad taste.
Tincture iodine 5 drops to 1 quart. Shake it. For Iodine tabs
follow directions.

Bleach 2 drops to 1 qt stir, stand 30 min. Chlorine Tbs. to 8 qts
stand 30 min. Increase formula if water is dirty.

DAYS EXPECTED SURVIVAL IN DESERT; NO WALKING:

Shade/	max.	qts:	01	2
120F			2/1	2/2
90F			7/5	8/5.5

60F 10/8 11/8.5

WALKING NIGHT ONLY:

(Days/ Nights)**
4 10 12
2/2 2.5/2.5 3/3
9/5. 10/6.5 15/8
12/9 14/11 21/14

ORIENTING: BY WATCH: *

Hold watch level, point hour hand at sun. South is mid way between hour hand and #12 in the smallest angle. South of Equator: read with face down, mid line points North.

By SHADOW:

Put long stick in ground, mark tip of shadow; 1 hour later mark tip again, line from first to second mark point East, N/S line is at right angle.

BY STARS:

Stars rise in East, fall West. Plot movement of an overhead star by sighting across 2 fixed sticks (ex; if star on your right is rising (East) you are facing North).

North star and Southern Cross remain relatively stationary above each pole. (See picture later*)

TRUE NORTH:

Geographic North pole is "up" on most map.

MAGNETIC NORTH = :

Magnetic pole = that compass points to world-wide (approximately 1000 miles south of North Pole north of Hudson's Bay).

Magnetic Declination:

The difference between True & Magnetic North, in degrees East or West of True North.

SOME MAGNETIC DECLINATION*** READINGS: (Approx) * = Degrees

US-Canada /10*= East, Adak, AK / 21* E = Anchorage / 30*E = Fort Yukon, Whitehorse, NWT/ 10*E = The Pas, MB/22* E= Banf, North Cascades.

20*E = Glacier, MT, Bend, OR 13* E = Yosemite, Yellowstone 15*E = Los Angeles, Grand Canyon.

14*E = Cortez,CO / 13*E = Tucson AZ, Black Hills, SD / 10*E = Big Bend, Texas, Liberal, Kansas. 5* E = Ozarks / 3*E = Ely, Minesota 0* = Churchill, MB, Indianapolis.

Everglades / 1*W = Smokies/ 6*W/ Shenandoah USA/ 10*W=Hearst, Ont./ 14*W= Adirondacks

21*W= Upper Maine / 30*W= ST.John Newf. Schefferville, Labrador/ Mexico / 6*E= Yucatan 8*E= Mexico City / 9*E= E.Monterey / 10* E = Mazatlan / 11*E = Canyon del Cobre.

WORLD /10*W = London, Gibraltar/ 3*W = Mt.Kilimanjaro / 5* W = Zurich, Chad /2* E = Istanbul.

2*E= Kabul, Afg./ 1*W= Mt.Everest 1*W = Honk-Kong/ 7*W = Tokyo /

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1*E = Djakarta / 0* = Guam/ 11* E= Hawaii / 10*E=Sidney,Aust.

15*E = Eastern IS.,Cape Horn / 13*W= Brazilia / 7*W = Manaus,
Brazil/ 0*= LaPaz, Bol./ 10* W = Trinidad / 4*E= Panama.

FIRE SOURCE:

Build away from grass, trees, overhead snow. Clear duff to mineral soil.

FLINT/STEEL =: quartz, jasper, agate, any glassy stone.

FIRE FROM AMMUNITION:

Remove projectile, pour 1/2 powder onto tinder, reload shell with rag wad, fire in air, put blazing rag on tinder

GAS/OIL:

With sand in can or in hole.

BATTERY: Spark from wire to each terminal.

BURNING GLASS:

Any convex lens; binocular, glasses, bottle bottom, bottle filled with water, maybe carved ice piece: in bright sun, beam onto tinder.

ANIMAL:

Bones burn, fat makes good lamp, warming fire.

TINDER:

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Shaved twigs, dry leaves & needles, heart of wet wood, plastic, dung, dry roots, pitch knots in old logs.

OVERNIGHT FIRE KEPT:

Cover coals with ashes, dry earth, will smoulder till morning.

TORCH:

Wrap bark cylinder or burn Pine knots. 24 hours Torch = fray end of 1" diameter. Stick pitch coat, dry, repeat 1-2 times (pictures from card here**)

KEEPING WARM AND DRY:

Build small fire, sit closer, keep warmer. Sit between fire & reflecting surface. Sleep with feet toward fire. Fire is not essential in sub-zero temperature if one is properly insulated.

CLOTHES / BOOTS:

Keep loose for better insulation, ventilation, circulation.

Perspiration = damp clothes frost; puff out air at collar & cuffs. Beat frost out of clothes with a stick. Mittens are warmest.

Melted fat helps waterproof boots. Bark pieces = good inner soles.

Persistently damp shoes, socks can cause "trench foot" = gangrene, infections. Insulate clothes with grass, moss, hay, leaves, feathers, etc.

FALL THROUGH ICE: =

Can kill in seconds; quickly roll in snow to blot up moisture & for warmth, remove clothes, let freeze beat ice out, then build drying fire.

SLEEPING WARNING & TIPS:

Sleeping in clothes holds moisture, chills body. You will not freeze to death in your sleep; cold awakens you.

SNOW TRAVEL:

Burns 5-10 times more energy than staying put.

FAST FOOD: (Macdonals?)

ALL HEALTHY MAMMALS, BIRDS, INSECTS ARE EDIBLE; yet beware of pollution.

BEST SURVIVAL WEAPON IS FAT:

UNBLED, LEAN MEAT, PROVIDES ALL BASIC ESSENTIALS.

FORAGING = CAUTION:

Can burn more energy than gained, upset digestion.

INNER BARK FOOD:

Of Birch, Aspen, Poplar, most Pines, Slippery Elm, Cottonwood, Willow, Red Maple, good Raw, cooked, tea. Store dried strips.

SAP:

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Very nourishing, Cherry, Maple, Aspen, Birch, Hickory you can live on this alone for many weeks. Drink Raw: Tap from hole into inner bark, 2 gal. in 24 hours. Ingest via straw into mouth while sleeping. Plug tap after use.

PINE:****

(Find all seeds and roots that are rich in fat and protein and have them first in the list of survival plants..)**

ALL SEEDS IN "CONES" = RICH IN FAT, PROTEIN:

Acorn, Nuts, Pecans all good Raw, roasted, meal. If bitter leach (grind, soak) out tannic acid. Evergreen needles raw, tea, hi-vitamin C.

AVOID: Buckeye: *

EGGS:

BIRD OR TURTLE (WHITES WON'T HARD BOIL) ALL GOOD TO EAT.

JACKING:

Use light to hypnotise frogs, game on trail, water-hole, den.

BURROWS:

Fan smoke or pour water in, wait with club or snares.

SLOW ANIMALS EASY TO CLUB:

Opossum, Porcupine, Armadillo, Marmot?*, Groundhog, roosting

birds, moulting Ducks, Lizards, others.

FEEDING ON ANIMALS:

Drive away, steal their meat.

FUNGI:

AVOID ALL MUSHROOMS, PUFFBALLS, ETC.

AVOID:

Snails (parasite), Toads (toxic skin), Worms (grit, = NO food value).

INSECTS:

Moth, Mayflies, Cicadas, Crickets Dragonflies, Termites = Very Good.

GRUBS:

Wood-Beetle, Larvae in logs. Grasshoppers: Remove legs, wings = GOOD!

LIZARD, FROGS, SALAMANDERS, SNAKES = GOOD to EAT:

Remove head, viscera, skin; roast, fry.

FISH:

Club or drive to shallows, barricade. Crayfish: Boil tails.

TURTLE:

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Decapitate, bleed well, boil to puff off skin; split under shell in + pattern, declaw, disembowel. Wash all meat in & outside, boil 25 min. more. When flesh pulls off easy cut up and add to stew.

LEATHER:

Untanned: Good, protein-chew, swallow.

MARINE LIFE:

ALL SEAWEED (NOT THREADLIKE) BELOW WATER ARE EDIBLE, cooked; eat slowly. AVOID if wilted, slimy or odorous.

ALSO EDIBLE:

Sea Cucumbers, Urchins, Abalone, Scallops, Octopus, Aquid, Limpets, Chiton, Periwinkles, Mussels, Shrimp, Oysters, Eels, (no scale) Crabs, non-Arctic Shark, white meat of salt water Clams.

FISHES NOT TO EAT:

Black Mussels, sea Snakes (scales) Rays, Jellyfish, Portuguese Man of war, fishes without scales, with irregular scales, tiny mouth, sunken eyes, slimy gills, flabby flesh, bad odour, box shape, bright colours, or that puff up with air.

SAFEST FISH:

Lie in deep water beyond reefs. PLANKTON-green slime under boats, logs, rocks, EDIBLE Raw, dried. Party lived on this alone for 115 days.

DON'T EAT:

Plants stranded or growing on beaches.

ARCTIC FOOD:

Nearly ALL VEGETABLE = EDIBLE but! DON'T EAT:

Fungi, Baneberry, Lupine, Buttercup, Death Camus, False Hellebore, Larkspur, Monkshood, Vetch, (Locoweed) Waterhemlock. If eaten induce vomiting.

ROCK TRIPE LICHEN = GOOD:

Raw, soup, tea. Leathery dark lettuce leaf up to 3" wide, around rock. Grows into south US. Reindeer Moss Lichen also in US. Low green grey plants, eat Raw, boiled.

ALL LICHEN IN FAR NORTH ARE EDIBLE, STEAM OR BOIL FOR SAFETY.

SWEET VETCH or Licorice Root, commonest root; in clumps on sandy soil shores. Cooked better taste than carrot.

ALL BERRIES IN ARCTIC ARE EDIBLE, EXCEPT BANE BERRY.**

SHARK:

Shark meat poison in Arctic only.

DESERT:

Apache warriors lived just on Salamanders, Mesquite Beans, Cactus water.

ALL CACTI FRUITS & FLESHY PARTS = GOOD; RAW, FRIED ETC. REMOVE SPINES, SKINS.

SEEDS that ARE EDIBLE:

*Pynion Pine, desert Serviceberry, Gamble Oak, Ironwood, Jojoba, desert Gourd seeds, flowers. Mesquite = large shrub, small tree.

Straight spines & bean pods, fern like leaves, yellow flowers. Seeds, pods = Raw, or cooked. Manzanita = large shrub, crooked branches. Brownish-pink berries = Raw cooked, ground; acorn like.

Tumbleweed or Russian Thistle, young plant boiled. Joshua Tree = flower buds roasted. Yuccas = flowers Raw or toasted.

Agaves (Mescal) = stalk heart like Asparagus, roasted. Fan Palm ripe berries roasted, hangs in huge clumps off ends of branches.

PLANT EDIBILITY TEST =:

Limit diet to plants positively identifiable or seen eaten by rabbit, rodents, beavers, squirrels, raccoons, monkeys and bears.

Birds are not reliable. Place very small amount inside lower lip, taste for soapy, bitter, acid, burning taste for 5 minutes.

Increase dose every 6-10 hours. If no ill effect in 24 hours it is probably safe, but continue caution.

AVOID:

Those with MILKY SAP, (toxic) black spurs on grain (diseased) or that look sickly. Cook if in doubt.

SOME EDIBLE PLANTS AMONG THE MORE NUTRITIOUS & COMMON IN
TEMPERATE ZONES:

MOST PLANTS HAVE EDIBLE PARTS. Taste test succulent parts of
appealing plants.

CAUTION:

Water plants absorb Pollutants. Starchy parts more nutritious
when boiled.

GRASSES:

Blades with common base or stalk; be careful, high cellulose
content leaves are stomach abrasive.

NO KNOWN GRASS IS POISONOUS:

Eg; Wheat, Barley, Rice, Reeds, Rushes, Red Top, Millet, Oats,
Sedges, Foxtail, Crabgrass, Nutgrass, Johnson grass, Buffalo
grass, Canary grass, others:

All SE grass; PLrc; *Legumes: Wild Beans, Peas = GOOD. Taste test
to be sure.

BERRIES: * Fruit & tea leaves = Blackberry / Raspberry /
Salmonberry/ Dewberry / Cloudberry / Strawberry / Thimbleberry.

Wintergreen: Fruit = Mulberry / Gooseberry / Elderberry /
Bunchberry / Whortleberry / Huckleberry/ Hackberry / Currants,
others.

HUNTING:

Look for dens, runways, feeding & watering places.

Best in early morning & evening hours. Stalk silently, slowly, against or across wind, or lay in waiting.

AIM! WHERE?:

Deer, Elk, Moose = back of head, lower neck, behind front shoulder (if you hit, don't run wait 10 min, till it bleeds dead).

Seal = behind eye; / Musk-Ox = neck or shoulder; Bear = Behind ear, upper neck, behind front shoulder;/ Small game = head.

SNARES:

Place snares, traps among natural obstacles; minimize human scent by smoking your snares. Many small nooses-tie to limbs near nests, roots.

Drawstring bag-squirrel bait inside; pull cord. Pole with nose on end for nesting birds, fish.

BOLA:

Stones on end of strings, spun overhead and thrown at flocks of birds, small animals.

FISHING HOOKS:

Pins, nails, bones etc. Flies, Shoestring, hair, Milkweed, feathers.

BAIT: = worms, grubs, shellfish, insect, meat.

NIGHT-LINE: = String of baited hooks across stream.

DRUGS:

Crushed leaves & stalk of *Mullein, Road of Soap plant, Green Buckeye seeds, thrown into water will daze fish, who will float to surface; you can eat at once. Also: Burn coral or sea shells to make lime.

TRAPS:

Build funnel trap or construct stake corral in shallow water facing into current or toward high tide line.

DRESSING GAMES:

ALWAYS cook food well for safety. Protect meat from egg-laying flies (maggots).

SAVE ALL FAT: To cook with meat.

STEW GIVE THE MOST FOOD VALUE!

BIRDS:

Bleed, pluck at once, singe & remove pin feather. Boil carrion-eating birds 25 minutes to kill parasites.

SMALL GAME:

Cut skin around mid body, peel off to head and tail, remove feet, head. Open belly from anus to chin.

Cut through pelvic, break open. Cut open rib cage; remove anus, genitals, guts in one piece. Wash well.

BIG GAME: (Dinosaur?)

Cut jugular, bleed (hunting people do not bleed meat); much Vitamin C, prevents Scurvy.

Remove leg scent glands on Deer. Skin-midline cut from anus to jaw, from midline out to hocks (rear) and ankles (front), cut around each leg & head behind ears. Remove organs soon, don't rupture intestine, gall and urine bladders (spoil meat).

Hang carcass for cooling before butchering. Halve between 2 & 3 ribs from rear. Remove from place of killing.

ALL PARTS large, small animal = EDIBLE. (AVOID Polar Bear and Seal liver = poison, too high vitamin A.)

RABBIT ONLY DIET DANGER:

No fat will induce diarrhoea, starvation. Don't handle uncooked animal in bare hand, danger of tularaemia (rabbit fever). Discard all rodent skins.

BONE-MARROW-BLOOD =:

Nourishing in healthy animals. Calcium-chew bones ends.

WOOD KNIFE: =

Elm, Hickory bark, shape. Soak overnight, fast dry over fire. Sharpen on rock. Repeat many times. Gets hard as soft steel. Good for skinning & light chore.

EQUIPMENT SKINS:

Scrape of all fat, flesh. Smoke dry over tripod over low fire.
Good bedding, etc. fur side out. Save bird pelts.

RAWHIDE:

(Presoak if skin is dry) stake out, scrape skin side perfectly clean. Wash (water or urine) clean, leave staked in sun to dry 1-2 days.

Turn over, re-stage, scrape off fur (easier if soaked overnight in wood-ash solution) On soft backing pound dry hide with blunt hammer to break grain, till white & soft.

TANNING:

Same soaking & scraping as rawhide (Deer, Elk don't require pounding). When dry rub with warmed brains, finely mashed until saturated.

Roll up overnight. Next day re-stage & scrape off all brain tissue. Work back and forth through a rope loop; friction dries & completes tanning.

If used for clothing smoke over smudge fire until light brown (will dry soft if it gets wet).

DRYING MEAT:

Any lean meat; remove all visible fat-will or go rancid quickly. Dry in the sun or 4 feet over hot coals (Use green hardwood never resinous.)

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DO NOT COOK. Keep from moisture at all times. Brush with salt before drying aids preservation; pepper keeps flies away. Properly dried keeps months.

Hang high from animals covered from egg-laying flies. Wash mouldy spots (harmless) before cooking to eat.

JERKY:

Preferably beef or deer flank. Cut 1 1/2x1/4" strips, any length. Dry same process until shoe-leather brittle (12 hours to 2 days) Will keep year or more in cool dry place.

PEMMICAN:

Powdered jerky, mixed 50/50 with paste of dried berry (any) or fruit pulp & melted suet rolled into balls.

Store in watertight material or dip in more suet for extra coating. Will keep years; highly nutritious classic survival food.

FISH-DRYING:

Split down back or fillet; sun dry on rocks. Grind bones, meat, add to stew, patties, etc. Don't eat raw. (Parasites!)

SMALL GAME, BIRDS:

Dry whole, on rocks in sun; prop ribs open with stick. When dry; crush bones, dry extra day dries marrow.

ROASTING TUBERS, FISH ETC.:

Pack in mud, clay; put in coals. Scales peel off with mud.

SOUP HOLE / BATH WATER:

Dig hole, line with waterproof material. Put in layer of rocks, then red-hot rocks. (Warning! Water inside rock will explode if heated).

STEAM PIT:

Dig hole, put in red hot rocks, 2" layer of grass (green) then food, more grass; fill up with damp soil/sand. Poke hole to bottom of pit to add steaming water. Many hours to cook.

RAFTS:

3 long logs, STANDING dead wood (test float BEFORE)! (Bundled plants, limbs OK!) Notch to fit or lash. Square raft will spin. Listen ahead for rapids.

ROUND BOAT:

Stretch waterproof material over domed frame of Willow sticks.

RAFT AUTO PILOT:

Rock or pail trailing on short rope from front centre, keeps raft in main channel.

PUMP DRILL:

For stone, wood, bone, hard stone bit, jasper, agate. Use fine quartz sand for abrasive. Or make simple drill by spinning stick between hands.

SNOWSHOES:

Lift line tied to front centre of each shoes aids walking or straps on Evergreen boughs.

SNOW GOGGLES:

Bark, clothe, etc., wrap around. Smear soot around eyes.

COOLING FOOD:

Evaporator; works best in sun, wind. Pot holds water cloth stays wet, open weave shelves circulate air or dig hole line with rock, cover slab rock and sand.

FISH-NET:

Gill net, hammock, unravel socks, sweater, tie 2" loop; join many nets.

PRESSURE FLAKING:

Strike blade piece off large stone, hold padded blade, use blunt object to flake chips off with the needed piece & with twisting pressure into edge of blade.** AXE heat slender willow and tie with shoots etc.

POTTERY:

Find particularly river bank clay; coil or slab wall, even thickness. Hardwood fire in 2 feet deep pit, built on & around pottery. Remove when orange-red (4-6 hours); slow cool.

CORDAGE:

Nettle; dry stalk fibbers; pound stalk, clean fibbers by hand.
Good yarn, string, snares, nets, rope, bowstrings, woven fabrics.
Milkweed; silky fibbers in dry stalk.

Dogbane (best in West) silky stalk fibbers. Hawthorn, Willow,
Elm, Spruce root, Rose; inner white bark good cordage, strongest
when wet.

SINEW:

Long leg or back tendons. Scrape, sun dry till hard; pound it
till soft but fluffy will split apart.

KNOTS: MOST USEFUL ONES:

Chair knot, Prussic knot, Eye knot or Fisherman knot, Log Hitch,
Square knot, 2 Half Hitches, Bowline, Sheep-Shank, Bow-Line knot
= (non-slip).

PACKING:

Suspend weight from hip belt or forehead; heavy items on top,
near body or pull along tied onto forked limb.

AIR RESCUE PICK/UP: **

One string with one end done with a Bow-line while the other rope
has a Bow-line knot around your waist & also around the rope
hooked to your foot, so they don't spread apart.

F/AID:

GENERAL DESERT:**

Day-night temperatures extremes. Usually adequate Vegetation. Great visual range flash signal mirror even if no target; large fire at night. Keep fully covered from ultra-violet rays, dehydration. Slow easy does it.

TRAVEL by NIGHT, SHADE BY DAY:

Brief storm flash-flood dry creeks, canyons. Anticipate dead-end canyons, drop off.

WATER:

Base of hills /mountains/ solar still/cacti / dig hole. To prevent sun stroke take 1-10 salt tabs daily with water.

FOOD:

Mesquite, Beans, Palm, Cacti, Nuts, Seeds, Herbs, Salamanders, Insects, Small game, Deer, Antelope. Snakes, Spiders, Scorpions in shaded places, crevices. ALL are active at night but avoid man. Check shoes, clothes, bedding.

GENERAL TUNDRA:

Arctic plain, beyond forest line. Moss & Lichen. June & Aug driest months. Short 50F summer. Marshy-water can't penetrate permafrost streams flood rapidly.

Brownish surface water drinkable. Abundant lakes, ponds, meandering streams, rivers. THIN ICE everywhere. Game, vegetation, shelter, fuel at dangerous minimum.

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Severe blizzards, wind chill factor. SWARMS of black flies, mosquitoes, deer-flies, midges in summer but carry no diseases.

QUICKSAND AT STREAM JUNCTURES:

Foot Travel = Risky, exhausting, useless! Travel by raft no matter, how long it takes to build. Mirages no prominent landmarks. Most towns are on river.

GENERAL TROPICS: (WORLDWIDE):

RAIN FOREST: Dense aerial canopy, signalling = useless, little sunlight sound deadened, radio waves blocked.

TRAVEL: During day only. Follow streams, adjacent ridge-line trails.

TINDER:

Inside large termite nests, dead wings in trees.

TROPICS DANGERS: =

Piranha freshwater fish (20") in calm waters, devour everything. Build shelter above ground.

MUCH POISON OAK, IVY, DON'T TOUCH ANYTHING UNLESS YOU HAVE TO.

Large cats, poisonous snakes uncommon.

WATER BOIL ALL!:

Streams, springs, pools. Common liana vines full of water, cut section, drink as is. Grapevine, Bamboo similar water. AVOID IF MILKY.

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Water in tree crotches; "cups" in large aerial leaves, strain.
Unripe Coconut milk = good. Hollowed out banana stumps fill with
good water.

FOOD & TROPICS:

Vary with season, locale. Best along streams, shores, swamps,
clearings, thickets. Sparse food in dense rain forest, cloud
forest.

ALL birds, animals, lizards, crocodiles, snakes,
alligators, freshwater clams, shrimp, turtle, fish ARE EDIBLE!

AVOID FROGS & COOK ALL FLESH!:
(Parasites!)

SEARCH CLEARING FOR:

Pigs, deer, coati squirrel, monkey, Iguana lizard (1-5 feet)
good as chicken in Central South America. Bait for land Crabs
with open Coconut.

PLANT FOOD WARNING:

BE CAUTIOUS OF PLANTS WITH RED IN ANY PART.

Abandoned native gardens in clearings = good, berries resembling
strawberry, raspberry, blackberry are good as are wild figs of
any colour.

AVOID MILKY SAPS, except in Figs, Mangoes, Papaya, Breadfruit.
Spit out seeds of ALL fruits may be poisonous.

DON'T EAT:

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Corral Bean, Physic Nut, Dumb Cane, Manchineel.**

PALM ETC.:

All Palm Succulent parts EDIBLE. Peanuts below ground good Raw, cooked. Bananas: Raw, cooked, also shoots & buds.

Plantains like raw bananas, roasted or boiled. Sugar Cane-chew inner stalk.

ALL WILD SWEET POTATOES, YAMS, WILD TOMATOES = GOOD.

Cooked leaves or Purslane, Pokeweed. Cassava (sweet type) root raw, boiled.

ANY VINE:

Like Morning Glory* HAS EDIBLE ROOTS, shoots, leaves if cooked.

ALL FERNS:

Young curled shoots = GOOD.

BAMBOO = GOOD TO EAT:

Common, young shoots best, like Asparagus.

BREADFRUIT TREE:

(30-40 feet.) large leathery leaves; cook fruit 6" thick, rough yellow-green hung at end of branches. Remove seeds mash pulp. Staple for natives.

Arrowroot 2-3 feet tall, large coarse herb; 1-3 feet leaves;

green & purple flowers, white in tropical America. 2 lb. tuber
good cooked.

SAVANNAS TROPICAL GRASSLANDS

Nearly impenetrable thickets. Large cats, snake uncommon. Insects
bad, wasp, spiders, centipedes, scorpion most are poisonous but
rarely fatal, except black widows.

FOOD:

Little variety in plant life. Streams much fish. Turtle bird
eggs, fledglings = fast food.

ALL GRASSES, SEEDS, NUTS, FRUITS = EDIBLE. Roots tubers tend to
be poisonous when raw. Squeeze out juice, cook pulp.

EXCEPTIONAL CIRCUMSTANCES "EC":

WHAT TO DO WHEN PLANE CRASH ON LAND:

- 1) Get away from the plane till all gas vapours are gone and
that the motors are cool off to avoid burns and also explosions
problems.
- 2) Examine the wounds of the survivors and apply first aid and
as much as possible find a comfortable place for them.

MAKE SURE that wounded victims with back injuries are displaced
very carefully so as to AVOID further problems.

- 3) Erect temporary shelters to protect from sun, wind and rain.

- 4) MAKE SURE that the radio or signalisation instruments are in good working conditions & near at hand at all time.
- 5) Rest so as to recover from the accident shock & postpone any other projects for a later time...
- 6) Once you have rested properly, organise the survivor camp by giving to each able body a specific task to do, even someone on its back can be used as a look out etc.

Gather all food & equipment and assign a person to be responsible for it. Construct a better shelter that will protect you from rain, sun, snow, wind, cold, bugs.

Make wood provision for at least one day ahead and MAKE SURE the wood is dry not from the ground but from dead trees or freshly cut down. Look for fresh water, plants & wild life. Install snares when possible they are your best bet. (See hunting #?*)

- 7) Prepare very well your signals so that they may be seen by any rescue plane or teams and ready to work at all time.
- 8) Make a log book giving the date, location and cause of the crash and the list of the party and their data and experience which may be useful in those circumstances

Also make a list of all food and material at hand, weather and all important data that you may find useful now and at a later date.

- 9) If you radio transmission works give as precisely as possible your position using compass or sky or terrain observations.

10) If you have been thrown off the plane, go back to it, since it is easier to spot a plane than a man or a group when possible.

11) Don't leave the crash site unless you are sure to find help near by. If you MUST go; leave a message telling when you left and what direction you took and leave a marked trail.

So that if you have to come back or to help a possible rescue party. Of course in enemy territory this does not apply.

12) In Arctic region use the plane as a shelter. Protect yourself from mosquitoes by closing all openings with parachute cloth.

Cook outside the plane so as to AVOID carbon monoxide poisoning and cook or make a fire well off the plane to AVOID gasoline explosion problems.

Since the plane can not be used as a long term shelter because it soon becomes an ice box then you will have to make a better isolated shelter nearby.

13) During the day in desert region the heat will be too great to stay in the plane. Stay under the wings and make up some tent using parachute tarp and other plane parts and keep an open space at the bottom of the tent for ventilation about 60cm.

14) Use sparingly the batteries for radio, keep them from cold.

15) Sweep frequently the horizon with your mirror even if you don't see nothing. You are the key man in this rescue operation so MAKE SURE that the rescue team spots you easily.

DON'T TAKE ANY UNNECESSARY RISK. Better be safe than sorry. Be alert. Have a rotation shift for the look out and security.

PLANE LOST AT SEA: SEA FILE***

- 1) Don't blow the raft nor the Mae West inside the plane.
 - 2) Pick up all emergency material possible before leaving.
 - 3) Attach the life raft to the plane till all members are aboard and one person is in charge to cut away as soon as the ship or plane start to go down.
 - 4) If possible load the rafts directly from the plane without getting in the water. Entering cold water will cause severe problems of hypothermia and others as well even death.
 - 5) MAKE SURE that the raft is well balanced and know what to do if it capsizes to bring it back nice and easy.
 - 6) Get away from any oil or gas spread as well as the plane or ship that sinks, the suction would pull you down with it. Direct the raft in the current flow if there is any.
 - 7) Try to find the missing passengers by checking wave movement.
 - 8) Pick up any material pieces floating around by tying them to the raft and check if there are any leaks air or water wise.
- Empty the water that is in the raft. Beware not to puncture any hole with your shoes or any sharp objects.
- 9) On icy ocean, protect yourself by erecting a wind breaker,

get close to one another for warmth & do physical exercise often to keep warm.

10) Check the state of health of each member and do the first aid needed. Swallow sickness pills. Remove all oil or gas spills that may cling to your clothes as much as possible.

11) Attach all rafts to one another with a rope about 7 meter long at the height of the floating line and when the sea is rough shorten this distance. When a rescue plane comes by get all the rafts closer to one another so they can better be spotted.

12) After having read the instructions get the radio working & use the transmitter /receiver only when a plane is around.

MAKE SURE THAT ALL OTHER SIGNAL SYSTEM CAN BE USED INSTANTLY.

13) If need be you MUST quickly repair the raft with the appropriate adhesive material aboard.

14) Compasses, watches, matches and lighters MUST be put into waterproof container.

15) In the ocean under hot climate shelter yourself under a tarp. Wear clothing that will cover your legs and arms and cover your face and hands with solar cream and on your lips. Protect your head and eyes from sun rays.

16) Calmly??? Evaluate your situation and plan well an action program to keep you all busy as much as possible.

17) Water and food MUST be rationed. Responsibilities MUST be shared. Rain water MUST be picked up using tarp or any suitable cloth.

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18) Write in a log book your last position, the hour of your crash the names of the survivors and their health condition as well as the inventory of the food, the orientation of the sails, the hour of the sunset and sunrise & all other needed information for navigation purposes.

19) Stay calm! Save your energy which will help saving on food and water. Don't shout or move unnecessarily. Try to keep a certain sense of humour.

DON'T FORGET THAT SEA SURVIVAL IS POSSIBLE ONLY WITH EACH & EVERYONE COOPERATION. to rpt in *** PSY

Use all means to be seen by rescue teams. Mirrors as well as radio flares, signal panels MUST ALWAYS BE READY TO BE USED FAST.

20) In warm seas one can survive many days without raft if you wear a life jacket & have a mirror ready at hand for signal.

PLANE CRASH IN ARCTIC:

If Indians and Eskimos had accepted defeat because equipment was not available these representatives' races would not be found upon this planet. They survived and so can you; but you MUST improvise.

As much material as possible should be taken from the aircraft if you are leaving it. These materials along with those provided by nature will not only assist you in surviving but also enable you to live comfortably.

A piece of wood 3 inches in diameter and about 20 inches in length may be split in a plank and fabricated into a snow knife

or saw.

Eating utensils may be formed out of wood, bone even rock. Any material that is waterproof or animal skins may be used to hold water.

SURVIVAL BY CAR:

More campers are accidentally stranded in their cars than ever are lost in the wilderness. Washed out roads, rockslides and blizzards often catch travellers in mid passage.

There may be mechanical break downs and human errors such as running out of gas with your girl friend. (Old Trick!).

In back country this can be extremely serious even Deadly. Yet the stalled car itself is a giant survival kit and in real emergency can be stripped of many parts to ensure the passengers well-being.

The sputter indicating an empty tank is a signal to get the car off the road and stopped. AVOID running the system dry.

What little gas remains will better serve to start a signal fire than to gain an extra hundred yards. Unless assistance is close by it is better to stay with your car then to start walking.

In DESERT regions, use hood, door panels, upholstery an floor mats to provide shade

Use hubcaps and sun visors as sand scoops. In cold weather many of these articles make excellent blankets.

A tire burned downwind & at safe distance will keep you warm and

act as a distress signal. It will smell badly but will last for hours.

A dome light cover or headlight lens unless sealed can be used to concentrate sunlight and start a fire.

A headlight removed intact and rewired to the battery converts to a powerful signal lamp. Use the electricity from the battery poles to ignite a cloth soaked with gas from the carburettor line or tank.

Dismounted rear view mirrors manipulated to reflect sunlight will flash an SOS that can be seen miles away, 5 MILES AND OFTEN MORE.

Oil and grease are messy but effective sunburn lotions. Oil burned in hubcap sends up a highly visible smoke signal.

Grease blacked with burned rubber and smeared under the eyes helps cut the glare, think of football pros.

SURVIVAL PSYCHOLOGY: *** ADD NOTES

While it is true and vital that energy MUST be conserved, it is equally important that the mind MUST BE KEPT BUSY.

EXPERIMENT WITH NEW IDEAS (ALLELUIA) AND NEW PRINCIPLES.
(GO 4 IT KIT!)

Although emergency packs are most helpful it is of equal importance to know how to use all the equipment along with what nature has provided.

NUCLEAR ATTACK: ***

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We might be lucky to have a warning signal and if so then follow the procedures that would be told by the authorities or simply go to a shelter such as an underground garage.

If however you are in the target area then say a quick prayer for your chances of survival are near zero even in a shelter underground since the blast will suck up the oxygen & the heat would kill you.

At a few miles from ground zero you only have 10 to 15 seconds before the heat waves comes to you even at 25 to 30 Km the heat would burn you alive.

At 40 Km just looking at the flash would blind you for life and we are talking about a 5 megaton bomb only. Unfortunately man's craziness will use 10 and more megatons bombs.

Should you be so lucky to have survived the blast and the heat wave you then also have to survive the radiation's fall out from which there is no protection unless you stay in the shelter for a while from 10 to 30 days till it has subsided

If you are far enough from the blast you have about 5 minutes after the explosion to find a shelter in a cave etc. to protect you from the radiation fall out.

Here are some materials that will give you protection from the gamma rays but taken in consideration that you are far away at least 30 miles.

Steel: 15cm / Earth: 90cm / Rock: 60cm / Ice: 1 1/2 meter
Concrete: 60cm / Snow: 6 m.

If you have made a shelter MAKING SURE THAT IT IS DRY, warm with

food and water for at least 30 days for each member.

*** EM SURV-BARREL A NEW TWIST TO HIDE IN THE SAND 120LBS. MAX.
CONTAINING 3 PERSONS.

FOOD /MED /WATER/AMMO/CLOTH ETC. BASED ON THE BEST S/B KIT****

MAYBE BEST TO HAVE IT 2 OR 3 SUITS TO TOTAL WEIGH MAX = 40 LBS.

NEW PLASTIC ARMOUR: (In Nam they had the Kryptonite which weighed
13 lbs and was down to mid ankle.) Now!

Briton invents type of plastic that withstands nuclear blast.
April 13-1993 Toronto Star. London Reuter. A british inventor has
astounded the military and scientific world by producing this
type of plastic.

Businessman Maurice Ward a former hair dresser started
experimenting with plastic 20 years ago stumbling on the kind of
secret that nuclear physicist dream.

Rigorous tests by military research department both USA and
British have shown that this plastic can withstand simulated
nuclear flashes generating temperature of more than 10, 000
degrees Celsius.

So promising is this light compound that defence companies are
eager to buy into the project.

Experts believe that Starlite to protect civil and military
plane, for cabling in ships, to coat launch sites for advance
vertical take off and possibly for heat deflective coating for
space shuttle.

You MUST also have a radiation meter which would give you the readings of what to expect outside. In so far as the use of radio, TV etc. is concerned the Electro-magnetic-pulse (EMP) caused by the atomic bombs will make them totally useless.

This EMP is like a gigantic electrical overcharged which will destroy all communication systems except those deep underground. Anything using electronic components from cars to planes to radio to computer will go dead!

So you can't rely on TV or Radio news, your car won't start etc. All electrical station will go dead since they require some kind of electronic gadgets to work or feed their power. Electricity is the Achilles heel of civilization.

Very little is told about the effect of EMP mainly to AVOID panic and partly because it is still a military secret, yet enough is know to understand the consequences when you realise a total electrical power breakdown.

Don't count on the government or usual radio stations to help you along; they are kaput. OOPS's!

You are on your own, back to the stone age with little or zip left outside for survival, the wild life is gone and your chances of survival through the nuclear winter that those bombs will bring are slim if not nil.

Nagasaki and Hiroshima bombs were around 20,000 tons of TNT since then our intelligent but unwise society has created bombs that are 500 to 2,000 times more powerful.

The Rainbow bomb type is 50 Megatons. In 1994 the latest count was 150,000 atomic bombs in the world for USA & Russia alone.

Coastal survival is even worst at the beginning since those bombs will have wreak havoc of all seaports, tidal waves and earthquake will have wipe them all out.

Think that a 2 megatons makes a 500 foot wave so you are better off away from the sea shore for a while, if you think of building a shelter near the sea forget it.

Stay in the shelter minimum 300 hours after the last explosion. After 2 weeks the radiation dangers have fallen to 1/1,000. That is if they have not used plutonium bombs in which case the radiations will be strong for the next few hundred years.

Any survival is to be understood only if you were lucky to be far away from ground zero of any bomb. If not then R.I.P. to you & to us all.

Food will stay good at the condition that the containers have not been open and were away from direct radiation exposures.

This is when a radiation meter becomes useful. Water does not retain the radiation but fishes will as well as any surviving animals.

Plants do not represent contamination danger if far away but use only the deep roots anything above ground will have been affected. Even roots after a while will become contaminated. Water from spring or covered well remains good if far away.

When you go out after the 300 hours, MAKE SURE you cover all parts of the body to protect yourself from Beta rays that will cause burns like sunburn.

As for your clothes they will have to stay outside from your shelter when you go back because of the dust that clings to it which has radiation potential.

Radiation is not contagious but will affect specially children, pregnant women, elder people and sick because it alters your chemical constitutions. I hate writing these horrors.

Unfortunately town population protection is not good nor sufficient in terms of shelters or even supplies, this maybe different in other countries you will have to check your own.

When it will happen? Mostly before dawn and without warnings. As I said before your only chances are good to fair if you happen to be far away from any ground zero, far away means 40 km and more.

In the forest there will be gigantic forest fires resulting from bombs that have exploded at high altitude.

These bombs will have a result that beside creating forest fires they will suck up the ashes into the sky that will then cover 1/3 of the moon & 1/3 of the sun rays thus a nuclear winter will grab us all.

THERE IS NO SUCH A THING AS A LOCAL NUCLEAR WAR.

When it starts it will spread world wide since most of the defence systems are either automated or destructed by EMP forces.

All this was predicted in the book of Revelation but who ever reads it and understands it, only but a few and they are not allowed to speak.

You can safely assume that all CAPITALS of the world will be hit

as well as all major cities, airport, industrial zones and all seaports because of tidal waves will be kaput etc.

Your best bets are the small towns but then again the bombs will fall almost everywhere and the blasts, heat waves, radiations fall out will be felt world wide as well as the nuclear winter etc. (See Carl Sagan book on that subject of Nuclear Winter!).

If you live in a rural area away from big cities at least 40 miles you may consider to build your own atomic shelter should you be so lucky to be home by then and ready to dive into it.

Plans to build your shelter maybe obtained from the Dept of Defence Office of Civil Defence The Pentagon Washington DC 20310 USA.

P/S: However most of these shelters are useless unless they are either far away from ground zero or deep underground. (5 to 10 miles depending of the size of the bombs.) If they are near the blast they quickly turn into deadly oven.

Besides that you must make sure you have your own oxygen supply if you are close by, otherwise the blast will suck it all up.

3 EFFECTS:

An atomic bomb has 3 effects: Shock wave, Heat Wave, Radiation. Full consequence of these effects is not known to the general public and for that matter even to most scientists or military personnel.

Beside the need for secret there is also the fact that we have not yet gone through a full scale war with atomic bombs.

Suffice to say just for the record about a 2 megatons bomb that around ground zero to the first 5 miles radius there is NOTHING! ABSOLUTELY NOTHING LEFT.

From 4 to 8 miles NO LIVES and very heavy destructions, actually the only buildings left to stand will have to come down being too hazardous and we don't even consider their radiation level.

From 9 to 15 miles; some life left but if they were exposed to the heat wave they will die since they are burned too deeply and most of them have died from the shock wave that brought all kind of flying debris flying, cutting and smashing everything around.

ANYONE WHO HAS SEEN THE FLASH IN AN AREA OF 40 MILES IS BLIND FOR LIFE.

REMEMBER that we only talk about a 2 Megatons, the usual charge for the average bomb that will be launch is from 10 to 20 Megatons.

So once can easily concur that the above damages will be multiplied by the increase of power but there is a lack of data since no atomic war has been done yet.

Yes, I am convinced that man is crazy enough to launch such a war and will do so soon. If you don't believe me than read Revelation!

Although most of our data is unobtainable for military reasons, we know that most of the wounds are from the shock wave & its consequences. The second reason is the heat wave that burned them and the third is the radiation poisoning.

The forth reason is that all medical services are destroyed and

the fifth is that all transport & communications have broken down gone kaput.

To this list we can add starvation, water poisoning, contagious diseases from dead animals or people, forests fires as well as building fires, earthquake, tsunamis, floods & landslides etc. No needs for alarms as you see and we have over 150,000 of them.

In short; let us say this based on the Bible that at the first trumpet or siren alarm there will be 1/3 of humanity that will die, 1/3 of the ships will be destroyed, etc..

At the second trumpet another 1/3 will die these deaths will be caused by chemical, bacteriological warfare & by conventional bombs and bullets from the remaining armed forces as predicted.

I do not wish to go any farther into the matter since time will reveal more of what is to come, but we have had our warnings and will get more before it all happens, those who have ears will heed to the warnings others won't, it is their choices.

WATER & FOOD IN SHELTER:

MAKE SURE that you have toilet facilities, water and food for at least 30 days, minimum 15 days.

The food and water will have to be renewed periodically to AVOID lost and spoilage. Here is a list giving the time limit to which you have to replace them.

Milk in powder or Concentrated = 6 months. Chicken, meat and fish in can = 6 months.

Meat stew, vegetable stew and cereals = 18 months. Soups; meat

and vegetable concentrated = 8 months.

Berries in preservative jars 6 months. Vegetable juices in cans 6 months. Fruit juices in cans 18 months. Dry fruits in cans = 6 months.

Tomato & Sauerkraut in cans 6 months. Vegetables in cans 18 months. Cereal ready to serve in cans 12.... In paper box 1 month. Grease & vegetable oil = 12 months.

Sugar Indefinite time. Hard candy and bubble gum 12...Instant pudding 12 months. Nuts in cans 12 months. Tea, coffee, instant cacao 18 months. Powder cream = 12... Oxo cubes type 12. Powder drinks = 14 months.

Salt indefinite time. Seasoning = 24 months. #bicarbonate soude# 12. Water in bottle (sterilised) = 12 months.

Water should be kept in plastic container since glass breaks and metal container can become rusted. Yet Bottled water is safe.

One litre of water per day per person is sufficient but you should use as much rationing as you can, no need to use water to wash yourself or the food, think that you are in the desert.

Water used from outside once you go out should be boiled at least 10 minutes to AVOID contamination.

Water does not carry radiation but MAKE SURE that the water is free from radio-active dust.

You can be sure that many an animal or human has died in those waters thus became polluted. If you have water tablet use them, don't be cheap or you may die.

Should you find cans of food outside which are not radioactive MAKE SURE that you clean the can well so that there is no radiation dust clinging to it. Any fallen objects in the water MUST be discarded since it will be radioactive.

Toilets can be made from garbage bag, MAKE SURE they stay closed. MAKE SURE you have a good first aid kit in the bunker along with the usual medicine you may need.

Fire extinguisher in the bunker should be included also. As for guns and ammo, don't you think that there was enough???

FIRST AID VIA ATOMIC BOMB:

One of the consequences of those bombs is to project radiations of two types Beta and Gamma.

The first one cause burns the second goes Very deep in your body system and is contracted from any outside objects that were in the path of the bomb.

So you MUST protect your skin by covering it and if your skin gets in contact with those objects wash it, but NEVER use soap.

Gamma rays can be shielded with proper thickness of different material as see above in page # *, as for the Beta rays they don't penetrate deep & can only cause skin *lesions.

There is a great risk for internal injuries even death if one swallows water, fluids or food that was contaminated by radiation. Any open sore is an open invitation to contamination, cover it.

ACUTE SYMPTOMS FROM RADIATION POISONING:

- 1) If you have nausea and throwing up nearly immediately after the blast, it means death within a week.
- 2) If nausea and throw up in less than 2 hours, certain death from 2 to 4 weeks with invalidity during that time.
- 3) If nausea and throw up in less than 4 hours, certain death in 3 to 4 weeks after the blast.
- 4) If no symptoms show up there are still Important risks which could appear later on, pregnant women will abort and all kinds of genetic defects and malformations will follow!

Radiation sickness is not contagious but on the other hand one MUST not handle any object which was contaminated.

Radiation level decreases fast, after 12 hours it is down to 90% and after 3 days it is down to 99% unless plutonium was used, then forget it.

It means centuries of deadly contaminations. Yes they have many of those dirty bombs and some will be used unfortunately. *** put all atomic in 1 place.

NATURAL DISASTERS: # 309

Many of them can be forewarned like hurricanes and tornadoes or heavy snow storms for those you should listen to the radio news and to know how to cut your water, gas or electrical power should you have to do so.

Checking that you have a good fire fighting extinguisher and a

good first aid kit ready at hand.

Your local Red Cross section can supply you with all the needed information on almost all medical emergencies & what you would need then

MAKE SURE that you ALWAYS have a good provision of food not requiring to be frozen nor cooked. Those cans of food along with an airtight water jar, some blankets or sleeping bags, clothes.

A portable radio and flashlight with extra batteries fully loaded as well as camping accessories would help you in case of emergencies. A list of this equipment can be found in file**.

A car fully loaded with gasoline and ready to go should you have to leave, would be helpful.

All you would then have to do is to throw your emergency kit in the car and drive off to a secure spot that you should have found before or just by following the instructions that could come from local radio station & authorities

If this is the case take the roads that have been recommended rather than try you own luck and go to the nearest shelter provided for you in those cases.

Don't forget to cut off you water, gas and electrical supply before leaving.

FLOOD: (Noah???)

- 1) Following the information received you will know ahead of time if you house is above or below the possible flood.

2) Facing a possible flood don't stack bags of sand outside your house hoping to contain the flood from getting into your basement you won't.

The water can seep under your house, just let the basement flood itself or even better flood it with clean water yourself when you are certain that the flood can not be AVOIDED.

This will permit you to counteract the effect of the water pressure on the outside walls of your house thus you will prevent further structural damages to your foundation.

3) Gather a good water supply in air tight containers since the water from the flood will be contaminated and unfit to use unless you boil it first at least 10 minutes.

4) Get your furniture and electrical appliances from the basement up to the first floor or even in the attic.

Unplug all electrical equipments unless you are wet and have both feet in the water AVOIDING this way your own electrocution.

Lock all doors and windows and leave the area as soon as possible. Don't wait for the flood to reach you since you could be stuck for days and could be in further danger for your life.

5) Upon flooded road drive in first gear only and drive slowly so as not to flood the motor, your breaks once wet will cease to function so beware.

6) If you were caught in your house when the flood hits you then if the water rises in the house climb up on the roof and if the house collapses find something that you can grasp and float upon which you can take some refuge. "Call Noah's Ark."

- 7) If you have made a raft or have a boat then offer help around. Don't forget to wear your life jacket.
- 8) Once the water has subsided it is not prudent to enter your house right away, it could collapse, check it first.
- 9) Avoid all direct contact with someone who is drowning; since he can drown you with him. First throw him a plank or rope to which he can hold on to, then go to his or her rescue.
- 10) IN WINTER if someone has broken into the ice then throw him a rope or cloth then lower yourself flat on the ice so as to spread your weight over a maximum area & try to pull him out.

If there are other persons around use them to form a human chain where they all lay down flat on the ice holding on to one another to pull the victim off the ice hole while those on the shore are used as anchor to those on the ice.

TORNADOES:

- 1) Listen carefully to the radio , TV news cast.
- 2) Check carefully what is happening in the sky specially in the South and South West area. If there is to be a tornado before a HURRICANE then you MUST check the East.
- 3) If you see clouds in the shape of a funnel call immediately the police & weather station to warn them of this information.
- 4) If possible seek shelter in the basement. If you have time MAKE SURE that your windows are partly open on the opposite side of the tornado otherwise the pressure from the wind will make

them blow off in all directions.

- 5) If you can move then do so by going at right angle from the path of the tornado and move fast.
- 6) If you have no means of escape then throw yourself down into any ditch or other kind of terrain depression & start praying.
- 7) In a public office building the basement is your best bet. Flee from any floor above ground level, find a place with thick wall.
- 8) In a house the basement in its deepest ground is the SAFEST. If you live in an area where those tornadoes are frequent it is wise to reinforce your basement or to build a shelter.
- 9) If there is no basement in this house then go to the lower floor and pull a sofa or heavy piece of furniture over you this sofa etc. should be put in the middle of the house. Don't forget the advice about the windows being partly open.
- 10) A mobile home is a poor shelter and can be wrecked easily better to get out and hide in a ditch. The damages can be lessened if you have taken time to install cables to cement block as a mean of anchorage before the tornado hit you.

HURRICANE:

- 1) If your house is located on high ground, seek refuge elsewhere.
- 2) Before the storm hits, carry inside all possible objects that could be lifted by the storm and become deadly weapons. Tools garbage cans, outside furniture can hurt you even kill you.

- 3) Nail boards over your windows.
- 4) If the centre of the hurricane goes directly over you, there will be a period of calm from a few minutes up to an hour.

Don't go out and stay in your shelter since the wind will pick up again even with more strength even from another direction. Stay inside till the hurricane has left.

- 5) The inside of a car is not a good shelter but it can be used in emergency your best bet is to crawl under the car to protect yourself. Staying in the car could be lethal.
- 6) Follow the emergency procedures mentioned in Flood & Tornado. Escaping disaster is ALWAYS a question of good judgement.

EARTHQUAKE:

- 1) Keep calm and stay cool, don't run or go any place without goal.
- 2) Stay where you are either inside or outside, most of the wounds happen to people trying to get out or in a building. If you are close to a building move away to a safer place.
- 3) Inside a building, hide under a heavy furniture, stay away from windows, stay close to a central wall or inside a door frame. Stay away from doors leading outside.
- 4) Don't use candles or matches during or after the quake and put out any fires.

- 5) If outside stay away from any buildings or any electrical cables, stay where you are till the end of the earthquake.
- 6) Don't run near or across any building since the dangers of being hit by falling objects are much greater outside when you are near entrance doors or along walls.
- 7) If you are in a moving car, stop as soon as possible but don't get out of it even if you are shaken a bit. If you are under a bridge or a tunnel try to get away from it & then stop.

TSUNAMI: #Raz de maree#

Earthquake can produce them. Atomic bombs that have exploded under water near the shore will do it all the time.

- 1) Get away from shore line as quickly as possible at least 1/2 mile if not more whenever you can.
- 2) A Tsunami is not made of a single wave but of a series of them getting bigger and bigger than of a series of smaller ones. Stay away till the authorities give you the all clear signal.
- 3) NEVER go near the beach to enjoy the view. If you see the wave, it is then too late to seek shelter, IT MOVES AT 300 MPH.
- 4) Follow all instruction coming from local authorities it is not the time to play the hero. Be prudent.

LIGHTNING:

- 1) Seek refuge in a building, inside a car is safe; unless it is a convertible car.

2) Inside a building don't use your phone unless for emergency.

3) If outside and you can't find a shelter here is what to do: Avoid to stick out like a sore thumb by being the tallest point of your surrounding environment.

Ex; being on top of a mountain or in a flat field or in a small boat. If you are in a big boat stay inside.

In a field lay down on your stomach. Don't go near any motorcycle, golf cart and drop your golf club.

4) Stay away from fences or any metallic tubes or cables or lone tree in an open field, this tree will attract lightning.

In an open field don't seek shelter in an isolated shack. In a forest seek shelter in lower ground under heavy brush.

In the country seek shelter in a *ravine or valley and beware of heavy rain which will flood gullies.

In the middle of field if you suddenly feel your hair rising sure sign that a lightning will strike, throw yourself on your knees, your hands on your knees, don't lay flat on the ground.

5) Victims of lightning bolts will suffer a terrible electrical shock that can give them burns but not ALWAYS. They are not however carrying electricity thus can be safely attended.

It is even possible to reanimate someone that you may think was killed by the lightning. If there was a group of persons that was hit, then bring help first to those who seem dead.

6) According to the Red Cross when a victim does not breathe you MUST give her the artificial respiration mouth to mouth at the rhythm of one blow per 5 seconds and 3 seconds for kids* till a doctor comes along.

THIS MUST BE DONE IMMEDIATELY.

7) Victims who are only stunned by the shock still have to be attended they can suffer from burns at the fingers, toes near their belt or under their jewelleries.

FOREST FIRE:

1) Upon crossing a dry forest, listen often to any radio news bulletin to see if there are any major fires in your region.

2) If you don't have a radio, check the mountains top and if you see dark clouds that are nearly immobile then change direction. Often the wind will bring you the smell confirming the fire.

3) On foot in a forest it is useless to try to escape a major forest fire your best bet is to throw yourself in the closest water lake or river even pound.

If you have time you can build a burned zone near the pound acting as a kind of buffer zone. Keep your clothes and body ALWAYS wet.

Stones near the river or shore will become very hot afterward stay away from them.

4) Don't panic only a fire of extreme intensity can make the water of a pound or stagnant water boiling hot even if this

marshy water has very little depth.

- 5) Breathe through a wet cloth to AVOID BREATHING SMOKE.
- 6) A fire burns a lot of oxygen around so don't move and try to breath as normally as you possibly can.
- 7) If you are in a small bush fire and that it is impossible to reach a nearby water you can try to build a buffer zone of burned area around you but this does not work in a major forest fire with walls of fire around you.*
- 8) Avoid at all cost to seek shelter in a cave! Because the smoke will either kill you or the you will die by lack of oxygen if not by excessive heat.

WILDFIRE & FIRE SHELTER:

REMEMBER that great fires create their own rules, even their own weather. For example a fire goes faster up the hill than downward.

A fire shelter is an aluminium tent about 2 1/2 meters long and a metre wide. When a fire fighter is caught in the advance of a raging wildfire, his shelter maybe his last chance.

He clears an area as well as he can and gets under the shelter. He waits there, face down in the dirt, as the fire roars over him.

The fire fighters call the shiny aluminum shelter his "shake and bake" Time spent under it is like time spent in hell.

Here is a true story about this. In 1985 in Idaho's Butte fire,

73 fire fighters were caught by a fire from that raced through three kilometres of forest in 15 minutes. When it overtook the fire fighters, it was 30 story high and looked like a bright orange sun exploding.

The fire fighters got under their shelters and for the next hour the fire roared around them. Hot winds whipped at the shelters, ripping holes that let the heat and light through.

The fire fighters pressed their faces to the earth, and prayed. Between the blasts of fire, they called out to one another. They talked about how they loved their families and girlfriends.

After an hour, the fire let up. The forest was blackened - "toast" in the fire fighters vernacular. Near the shelters, now covered with a fine white ash, the handles of shovels had been burned clean away.

BUT ALL 73 FIRE FIGHTERS HAD SURVIVED.

WHAT TO DO AFTER A DISASTER HAS HIT:

One of the first thing to do is to work at getting things back in order, to establish control and set priorities.

FIRST IS TO GET THE FIRST-AID TO TRY TO SAVE AS MANY PEOPLE AS POSSIBLE.

A system of #triage# MUST be establish to separate the cases and to realise that time spent for a grievously case is time lost for others not so badly hurt.

I know it sounds cruel to say but it is better to take care of the lesser injuries than those who will die soon.

This way a #secourist# can save many lives where as if he was to concentrate on one then 10 more would die.*

What is more URGENT is to gather, find food, shelter and first aid and ensure the protection to all survivors as much as possible, to organise teams to help you help others in need.

- 1) Don't enter a building unless using EXTREME CAUTION. This building can collapse without warning.
- 2) Once inside check if there is any gas leak or electrical short circuit.
- 3) Don't enter any building while smoking or with any burning material ex; candles.A gas leak could make it all blow up.
- 4) Stay away from any fallen or broken electrical cable.
- 5) In a house if you smell any gas odour, open quickly all doors and windows, close the main gas valve and leave the house immediately.

Warn the police or firemen or gas CIE and don't go back into the house until you are told to do so.

- 6) If there are electrical appliances that are wet cut the electrical, unplug those appliances & dry them off then you can put the electricity back on.

CAUTION: Don't do any of this if you are wet or have your feet in the water.

- 7) If your electrical fuses blow up, cut off the electricity

and find the cause of the short circuit before doing anything else

8) After a long period without electricity the frozen food can be bad don't eat it. Nor should you eat food that was under water from a flood unless it is in a can. Follow all the instructions of the authorities concerning food and water supply.

9) When possible seek shelter and information from Red Cross where you will ll find clothing, food and first aid.

10) In order to help the work of #secourist# stay away from sinister area unless you are asked or can be of help.

11) Unless emergency don't use your automobile nor phone.

12) Report to authorities all events which you were a witness.

13) Once the emergency state has passed then contact your family members. This way you reassure them & avoid this way time money & anxieties to those who are trying to locate you.

14) Don't be a carrier of rumours that you ears, you will only add to the confusion and multiply the problems.

BUILDINGS RESCUE:

The type of building construction and its distance away from any bombs, flood, earthquake, hurricanes etc. will determine its damages but they are basically the same except for radiations.

One MUST BE SURE that the walls are badly shaken & that the floors can give away at any time without warnings. Don't let people without knowledge do the searchings, since they can cause

further collapses.

There are several types of collapsing and often they will form empty spaces under it where people can be trapped but still live for a while. So:

YOU MUST KNOW WHERE TO LOOK FOR THEM.

When the floors collapse on one side, the empty space is under its highest level, often big enough and easy to access.*

The floor can collapse by its middle which forms in its centre a pile of #rubbish# in a "V" form and on each side there is an empty space see pix **

Other type is when the centre of the floor holds on but it is the two sides which collapse forming an empty space in an "A" shape, these spaces are harder to reach. pix**

Last type is when the walls open up and the floor comes straight down, often there are furniture which will stop the floor from total collapse leaving an empty space that is very shallow.

This type of empty space is very hard to reach and presents great risk since the whole building can collapse over the rescue party.

PRECAUTIONS TO TAKE:

NEVER get into any buildings no matter how URGENT the cause without having taken the advice of the proper authorities or without having made a very careful inspection to spot dangers.

This delay may sound improper but it is well worth to know before hand what you are getting into & work in teams as much as

possible or let someone know where you went.

First check the immediate localities of the building and call to see if there are any persons in the building. Don't forget that you will be of no use to anyone if you become a victim yourself. Ask around if anyone knows about people missing in this building.

Maintain contact with those inside which you can hear or see but that you can not reach immediately and reassure them.

Once you have decided to enter a building check for dangerous walls, also the doors that are either blocked or obstructed.

Verify carefully for weakened stairs and any objects that are sticking out such as glass, sharp pieces of wood or metals, nails, gas leak, flooded basement and loose wiring.

Walk in very slowly and watch each step carefully. Walk along the walls. Walk backward and along the walls when you go down stairs.

LIST OF DON'T:

DO NOT pull any material sticking out, it could cause collapses. DO NOT smoke nor light any matches, use flashlights. DO NOT touch any wiring or use a dry stick to AVOID problems.

DO NOT throw rubble left and right but in one pile. DO NOT trust anything and be quick yet be very prudent. Wear gloves, safety hat and safety boots if you have any.

FIRST AID NOTE: 2RPT NOTE IN F/AID

WARNING UTMOST IMPORTANT!!!:

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BEFORE!!!

LIBERATING A VICTIM THAT WAS STUCKED UNDER THE COLLAPSE.

MAKE SURE YOU GIVE HIM TO DRINK DURING RESCUE,
AT LEAST A QUART OF WATER.

ALWAYS DO THIS, IF YOU FORGET IT,
THE VICTIM COULD DIE FROM SHOCK.

RHEUMATISM REMEDY = "BONE OIL":

Taken from Russian Pilgrim P.92

This is a very old remedy yet no one seem to know of it. It could be very useful for those who suffer from it. Dated 1430 AD.

"The old man started to treat me. He went out to gather in the fields & around the barns in the yards & garbage dumps a full bucket of old animal bones birds bones etc. all kind of old bones.

Then he washed them broke them in small pieces with a stone & put them all in a big cooking pot that he covered with a top that had a hole in the middle, then he turned it upside down over a smaller vase that he had beforehand buried in the soil.

He then carefully smeared a heavy coat of clay the bottom part of this big cooking pot & then he covered the pot with wood logs that he sat on fire letting it burn for 24 hours.

While so doing, he was saying to himself "this will make a fine bone oil tar." The day after, he dug out the vase that was in the soil this vase had about 1 litre of red thick oil smelling like

fresh meat.

As for the bones that were in the big cooking pot of black & rotten that they had been they were now as white and transparent as nacre or pearls.

5 times a day he would massage my legs with his liquid. Believe it or not after the very first day I could move my toes.

The 3rd day I could move and bend my legs & the 5th day I could walk with a cane in the yard & in 1 week my legs were back to normal. PRAISE BE TO GOD!"

One may wonder why doctors don't try this remedy. Well, for one they don't speak Russian, nor are they incline to try old folks remedy.

Many of them would rather sell pills than cure the pain. If you have this rheumatism what have you got to loose but the pain.

Perronaly I NEVER tried it for I don't suffer from it but be sure that I will do if ever I am in that situation.

One should REMEMBER how penicillin was first discover. The doctors had noticed that wrapping war wounds with old cheese cloth would cure their patient faster without the deadly gangrene. They did not know why this old folk remedy worked but the results were there.

So with the help of technology they discovered the reason that was that old cheese cloth that had serve to wrap cheese had mushroom embedded in it, the first start of penicillin in its raw state.

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I know of one person who tried it, she was suffering greatly from it, and upon my advice, she gave it a try.

The result was sensational she told me a few years later "away with the crutches & she even build her own house to boot."

NOTE FROM DICK THE CO-AUTHOR:

Now you have it, a resume a memento on Survival from 70 authors and more from 2001 BC to 2001 AD to help you and others in Survival.

Lets hope! Es-Perron-Le that you never have to use it but should it be the case then you will have the upper psychological hand and that may very well make the difference between life or death.

IT IS UPLOADED FREWARE TO ANYONE ON THE PLANET AND WE ENCOURAGE ANYONE TO PASS IT AROUND FREELY.

It is not finished even to edit but I am working on it, any suggestions or tips are welcome, just upload them to me e-mail.

More will come on Survival techniques later on covering all the other usual subjects such as First-Aid, how to find water, make shelters, food and plants, hunting and fishings tricks etc. Covering all climates and conditions on land or at sea.

It will be uploaded under the title: Survival Bible 2001 or Survival. Zip. However it will still take me 1 or 2 years to have it all finish using hyper text and even CD Rom edition including 2001 plants world wide edible or medicinal even dangerous one to avoid.

I ask only of one thing, anyone out there who has any tricks or

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suggestions the more the merrier, we urge,ask and even beg you for tricks on Survival tips and thecniques so send them back through Internet to me and others be my guest and be a part of this mural or library of knowledge from our ancestors who suffered even died to bring us those informations for us and our loved ones.

We will add your tricks and tips of this difficult art of Survival or knowledge of nature and how to cope for a good time even while lost one still can make him or herself comfortable and better his or her chances or Survival for himself or others.

RICHARD @IO.ORG. 1 December 1994/ 1 FEB 1995