



The IRON Post



Saskatchewan Association of Geomatics Technologists & Technicians

February 2003

SAGT President's Message

Boyd McFarlane CGT (President)
Focus Surveys

As everyone is well aware, S.A.G.T. is now starting a new quarter century. The past 25 years have seen many trials and tribulations in the survey industry. Our association has witnessed a name change to reflect the changing times and technological advances. Our membership, although mostly silent, has been able to keep as a sizeable number. The S.L.S.A. has always, and hopefully always will, offer their wisdom and guidance; and keep us under their wing.

The next 25 years will also see many new changes and advancements to OUR association. The primary change is the introduction of the membership continuing education point system. Hopefully this will encourage more participation from the "SILENT" membership.

With a new era in the beginning, we need to get to know the membership. Everyone has a story and should feel welcome and proud to share their experiences with us. Even our employing companies have a historical impact on Saskatchewan and Canada. We all like to read, so send a line or two to the IRON POST (c/o Darren Svedahl – Editor).

May everyone have a bounteous year and I hope to welcome "EVERYONE" to the 2003 AGM.



SAGT President Boyd McFarlane

SAGT 26th Annual General Meeting 2003

April 4th and 5th, 2003

Sandman Inn Saskatoon

310 Circle Dr. E.
Saskatoon, Sask.
Mendel Room

Event: Friday Night Icebreaker - Sandman Inn

Date: April 4, 2003 Time: 7:00pm

Cost: \$15.00/per person

Includes lunch, snacks and drinks.

Come and visit with old friends.

Open to: SAGT and SLSA members, guests and prospective members.

Event: Annual General Meeting- Sandman Inn

Date: April 5, 2003

Registration at 8:30 AM, Meeting starts at 9:00 AM
(Meeting and Seminar last until approx. 3 PM)

No Cost

Includes meeting, luncheon and seminar.

Open to SAGT members, SLSA members and invited guests.

Seminar:

Murray Dean, CGT – LAND Plans Examiner, ISC

A block of rooms has been set aside for those attending the meeting. Rooms must be booked by March 15, 2003

For more information contact convenor Glen Rosnes
glenn.rosnes@tricitysurveys.com

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Four Lines of Defence Against Hypothermia

From the motion picture "...By Nature's Rules." Reprinted from the Evergreen State Surveyor, Fall 1997

COLD KILLS IN TWO DISTINCT STEPS

Step One: Exposure and Exhaustion

The moment your body begins to lose heat faster than it produces it, you are undergoing exposure. Two things happen:

- 1) You voluntarily exercise to stay warm.
- 2) Your body makes involuntary adjustments to preserve normal temperature in the vital organs.

Either response drains your energy reserves. The only way to stop the drain is to reduce the degree of exposure.

THE TIME TO PREVENT HYPOTHERMIA IS DURING THE PERIOD OF EXPOSURE AND GRADUAL EXHAUSTION.

Step Two: Hypothermia

If exposure continues until your energy reserves are exhausted:

- 1) Cold reaches the brain depriving you of judgement and reasoning power. You will not realise this is happening.
- 2) You will lose control of your hands.

This is hypothermia. Your internal temperature is sliding downward. Without treatment, this slide leads to stupor, collapse and death.

YOUR FIRST LINE OF DEFENCE

- 1) STAY DRY: When clothes get wet, they lose about 90% of their insulating value. Wool loses less; cotton, down and synthetics lose more.
- 2) BEWARE THE WIND: A slight breeze carries heat away from the skin much faster than still. Wind refrigerates wet clothes by evaporating moisture from the surface. WIND MULTIPLIES THE PROBLEMS OF STAYING DRY.
- 3) UNDERSTANDING COLD: Most hypothermia cases develop in air temperatures between 30 and 50 degrees (-1 to +10 degrees Celcius). Most outdoorsmen simply can't believe such temperatures can be dangerous. They fatally underestimate the danger of being wet at such temperatures. 50 degree water is unbearably cold. The cold that kills is cold water running down neck and legs, cold water held against the body by sopping clothes, cold water flushing body heat from the surface of the clothes. DON'T ASK: "HOW COLD IS THE AIR?" INSTEAD ASK, "HOW COLD IS THE WATER AGAINST MY BODY?"
- 4) USE YOUR CLOTHES. Put on rain gear before you get wet. Put on wool clothes before you start shivering.

YOUR SECOND LINE OF DEFENCE: TERMINATE EXPOSURE

If you cannot stay dry and warm under existing weather conditions using the clothes you have with you, terminate exposure.

- 1) BE BRAVE ENOUGH TO GIVE UP REACHING THE PEAK OR GETTING THE FISH OR WHATEVER YOU HAD IN MIND.
- 2) Get out of the wind and rain. Build a fire. Concentrate on making your camp as secure and comfortable as possible.

NEVER IGNORE SHIVERING

Persistent or violent shivering is clear warning that you are on the verge of hypothermia.

MAKE CAMP.

FORESTALL EXHAUSTION

Make camp while you still have the reserve of energy. Allow for the fact that exposure greatly reduces your normal endurance.

You may think you are doing fine when the fact that you are exercising is the only thing preventing your going into hypothermia. If exhaustion forces you to stop, however briefly:

- 1) Your rate of body heat production instantly drops by 50% or more.
- 2) Violent, incapacitating shivering may begin immediately.
- 3) You may go into hypothermia in a matter of minutes.

YOUR THIRD AND LAST LINE OF DEFENCE: TREATMENT

The victim may deny he or she is in trouble. Believe the symptoms, not the patient. Even mild symptoms demand immediate, drastic treatment. Get the victim out of the wind and rain.

Hypothermia continued ...

- 1) Strip off all wet clothes. This is no time for modesty.
- 2) If the patient is only mildly impaired:
 - (A) Give warm drinks.
 - (B) Get patient into dry clothes and a warm sleeping bag.
Well-wrapped, warm (not hot) rocks or canteens will hasten recovery.
- 3) If the patient is semi-conscious or worse:
 - (A) Try to keep him awake. Give warm drinks.
 - (B) Leave him stripped. Put him in a sleeping bag with another person (also stripped). If you have a double bag, put the victim between two warm donors. Skin to skin contact is the most effective treatment.
- 4) Build a fire to warm the camp.

THINK HYPOTHERMIA

If you are outdoors, whether for recreation or work, you presumably do not intend to jeopardize your life. Hypothermia may be a new word to you, but it's the only word that describes the rapid, progressive mental and physical collapse accompanying the chilling of the inner core of the human body. '

Hypothermia is caused by exposure to cold, aggravated by wet, wind and exhaustion. It is the Number One Killer of outdoor recreationists.

.TAKE HEED OF "HYPOTHERMIA WEATHER."

.WATCH CAREFULL Y FOR WARNING SYMPTOMS. CHOOSE EQUIPMENT WITH HYPOTHERMIA IN MIND.

CHOOSE EQUIPMENT WITH HYPOTHERMIA IN MIND.

NOTES ON EQUIPMENT:

Choose rain clothes that are proof against wind-driven rain and cover head, neck, body and legs. Ponchos are very poor protection in wind.

Take woolen clothing for hypothermia weather: 2-piece woolen underwear ...or ...long wool pants and sweater or shirt. Include a knit cap that can protect neck and chin. Cotton underwear is worse than useless when wet. A storm proof tent gives best shelter. Take plastic sheeting and nylon twine for rigging additional foul weather shelter. Carry trail food ...nuts, jerky, and candy ... and keep nibbling during hypothermia weather. Take a gas stove or a plumber's candle, flammable paste, or other reliable fire starter. Try the lint from your clothes dryer.

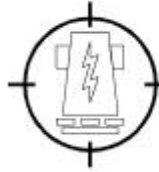
BE SAFE



Hypothermia prevention 'in action'.

Calvin Bourassa of Peters Surveys acted quickly when his assistant, Clint Maton, went through the ice while performing a winter field survey in northern Saskatchewan. Calvin built a fire in a Pit to help thaw Clint out.

Job Opportunities



Peters Surveys Ltd.

Experienced survey crew wanted. One Crew chief and two Rodman positions available for full-time/part-time employment. Only experienced persons should send resume in confidence to ravi@peterssurveys.ca or mail to Peters Surveys Ltd., 1136, 8th street E, Saskatoon, SK S7H 0S4. No fax or phone call please



Webster Surveys Ltd.

LEGAL SURVEY PARTY CHIEF
and
GEOMATICS SURVEY TECHNICIAN

Webster Surveys Ltd., a Professional Survey and Land Survey firm is seeking qualified individuals for the positions of Party Chief and Instrument Person. Experience is required in legal, construction and topographic surveys. Individuals interested in joining the Webster team should forward resume to:

R. A. Webster, P.Eng., SLS, CLS, P.Surv.

**Webster Surveys Ltd., 611 - 9th Street East,
Saskatoon, Sask., S7H 0M4**

email: webster@link.ca

Survey the possibilities.

Start by joining the Crape Geomatics team. You are a dynamic team player, with uncompromising professional standards, dedication to both client and team, excellent interpersonal skills and a fresh view of today's industry.

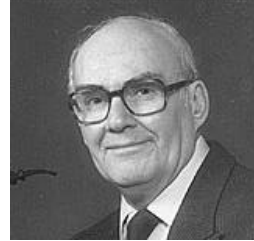
Land Surveyor

Forward your resume in confidence to employment@crape.com
(text only or MS Word for PC attachment) or by fax at 403-261-9983.



Crape Geomatics Corporation built on relationships and a foundation of solutions and service. Positioned with care to build more in the future. Perhaps with you. Because we think that when people do good work every day, the future takes care of itself.

Obituary



Waller Grainger
1924 – 2002
SAGT Life member

GRAINGER--WALLER ROWNTREE 1924 - 2002
Waller passed away quietly on November 2, 2002 in his home with his wife of 55 years by his side. Predeceased by his parents Waller and Lillian, brother Robert, and sister Gaye. Left to mourn are his wife Anne, sons: Ronald (Heidi) of St. Albert, Alberta, Waller, and Allan. He will also be lovingly remembered by his 5 grandchildren, Stacy (Rod), Stephanie, Lindsay, Stephen, Michael and great-granddaughter Kailie. Wally was born on June 13, 1924 in Winnipeg, Manitoba, and moved to Regina in 1926. He attended Wetmore Elementary School and Central Collegiate. In 1942, he enlisted in the Navy and served his country in World War II. Upon completion, he began a 39 year career with the Government of Saskatchewan, Department of Justice, Land Titles Branch where he remained until his retirement in 1984. Wally was an avid golfer and fisherman that afforded him an opportunity to spend precious time with his sons. Other interests included reading, travelling, and spending time with his family and many friends. Wally was also an active member of the Little Flower Church Parish. Wally enriched the lives of all those fortunate enough to have known him. He will be sadly missed but not forgotten. Funeral Service will be held at the Little Flower Church, 420 College Ave., on Wednesday, November 6 at 10:30 am with Rev. Bill Mahoney officiating. Interment at Riverside cemetery.



Waller being presented with the SAGT Achievement Award by Past President Kim Wooff