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218 Bonnie Doon Shopping Centre
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A.L.S. NEWS
Winter Issue, 1977, Volume VI-I

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My Fellow Surveyors: This is our experimental issue of the Newsletter in a new format. We are attempting to upgrade the publication in style and material by having the printing done by a private printing firm. Hopefully, the new issues will evolve into a superior product.

Further to my remarks of last month; (1) the "unanimous choice" for the Executive Secretary position was not signed, (2) the Combines people have not set a date for a meeting with our Association, (3) a second Western Canadian Education meeting has been tentatively set for May 9th on the University of Alberta Campus, (4) the new fee structure has been accepted by the membership - at the time of writing, approximately 75% of the active fees had been received.

During my visits to sister Associations, I have noted an intense interest by all surveyors in the concept of continuing education. Our Association in endeavoring to provide the opportunities for your participation, the Planning Committee is working through the University of Calgary to set up a two-year extension course (correspondence and seminars) in site planning. The geometric geodosy course has been held at the two major universities during the past two years and was well supported by members.

This office has received a significant number of complaints (mostly verbal) directed towards the Edmonton "temple" of our venerable land documentation organization. In order for the Association to be able to work towards restoring the harmony that existed prior to several key personnel changes plus a major systems change to the loose-leaf method, it will be necessary to have specific documentation of the substance of the complaints in writing. A copy of the letter forwarded to your own M.L.A. may be useful. Complaints must be well founded indicating: jurisdictional abuses, failure to utilize discretionary powers, an uncooperative attitude, incompetence, wasting time by returning "correct" documents for correction, etc., etc., Bear in mind two important details - (a) the volume of land transactions requiring L.T.O. documentations has increased on a higher proportion than your own increases in subdivision, replotting, and pipeline surveys, (b) the L.T.O. published a Practise Manual several years ago that is still functional, except for several legislative amendments (used yours lately?).

Our Annual Convention Programme Committee is getting into high gear preparing for the Banff meeting. The Council is looking forward to meeting with all of you in Banff, we anticipate interesting business sessions and some exciting social events. Mark your calendars for April 27th, 28th, and 29th - now!

John Deyholos
President
ASSOCIATION NOTES

1977 EXAMINATIONS
With the April 1977 examinations quickly drawing near, articled students should take note of the following dates:

1. Applications for the examinations received after the deadline of March 1, 1977 will not be accepted.
2. Examinations in April, 1977 will be held at two centres only. These being the University of Alberta, Edmonton and the University of Calgary, Calgary.
3. Articled pupils who have not paid the annual Article Levy of $25.00 for 1977 will not be eligible to sit for the examinations in April, 1977.
4. The Association office should be notified at least 48 hours in advance of any examination you wish to cancel. Failure to notify the office of the cancellation within the specified time will forfeit the examination fee.

FULL TIME SECRETARY
On January 4, 1977, Linda Yarham joined the staff of the Association to assume the role as full-time Secretary. Linda will be on duty from 8:15 a.m. to 4:30 p.m. Monday through Friday to answer the telephones and carry out the day to day operations of the office. The Association’s telephone number is 465-2901.

SECRETARY TREASURER
As of December 31, 1976, Council has not been successful in appointing a member to fill the role of Secretary-Treasurer and Registrar of the Association.

CANADIAN COUNCIL OF LAND SURVEYORS
We sincerely hope that this issue is the first of a continually improving A.L.S. news. It would be great to be able to write this note after this issue is printed. Then we could add comments as to why it didn’t work out too well, but perhaps that will not be necessary.

The Association office has a copy of the Memorandum of Agreement between the C.C.L.S. and the C.I.S. signed on May 20, 1976; a copy of Letters Patent of the C.C.L.S. dated February 11, 1976; and a copy of the bylaws of the C.C.L.S. This material was to be printed in this issue but has been omitted in order to keep the volume to a reasonable size for this first issue. This material may be printed in a future issue. In the meantime, copies may be provided to interested members by the Association Office.

Damage Claims related to Iron Posts, Marker Posts and Pits

The Practice Committee during a review of Section 52 of the Alberta Surveys Act, plus amendments, became concerned about the Liability of Surveyors when complying with this Section of the Act, especially with regards to the planting of Statutory Iron Posts, Marker Posts and the digging of Pits.

The main concern were possible legal actions that a Surveyor could face in case of Mishap, Collision or Damage caused by Posts or Pits with Man, Lifestock or Machinery. Even though the Association has kept no data as to the number of Claims for Damages or Liability Suits that Surveyors may have
encountered, there appears to be knowledge that some Surveyors incurred legal actions initiated by injured or aggrieved parties.

To obtain a legal opinion on this matter, this Committee is requesting your assistance in forwarding pertinent material, e.g. names of Lawyers that may have represented you, copies of Statements of Claim, Statement of Defence, Pleadings, Judgements or Out-of-Court Settlements, or any other information relevant to this matter.

If any confidentiality would be betrayed by relating above requested details, a general resume or broad outline of the case would be welcomed instead.

Please forward your replies at the earliest possible date directly to the Association Office, 218 Bonnie Doon Shopping Centre, Edmonton, Alberta.

H. M. Knitter, Chairman,
Practice Committee.

COORDERATIVE EDUCATION PROGRAM — SURVEYING TECHNOLOGY — N.A.I.T., EDMONTON

This new educational program is now in its second year at N.A.I.T. and thanks to many participating A.L.S. Association members and others, has accomplished its major objectives to date. Students in the Program spend alternating six month time periods at N.A.I.T. and working in Surveying or a related occupation. At present, we have 47 students in first year (including 4 females) and 30 students in second year. The first six month work period (June to November, 1976) proved successful for both students and employers; most of the students received good work ratings from their employers, and the students in general felt that their work experience was very beneficial to their over-all career preparation as a Survey Technologist. The student population for this first work period was distributed as follows: private legal survey firms (15), government departments (13), oil companies (2), engineering companies (2), mining companies (1). Three students did not return for the second year of the Program. All participating Coop employers will be sent a wage scale summary for these students early in 1977.

The Cooperative Program is being offered as a means to help relieve the shortage of skilled Survey technicians in Alberta. The short term benefit to employers is the availability of students grounded in surveying principles for a six month summer period; the long term benefit is a system whereby an employer can build up a solid support staff of experienced personnel by re-hiring the same student in successive work periods and retaining him upon graduation.

We will be attempting to place our 77 students in surveying positions (from chainmen to junior party chiefs, etc.) for the summer of 1977 (June to November). If you are interested in obtaining information about our Coop Program and how you can benefit from it as an employer, please forward your name, company or department and address to:

Program Head, Surveying Technology,
Northern Alberta Institute of Technology,
11762-106 Street, Edmonton, Alberta.
T5G 2R1
ANNOUNCEMENT — CANADIAN INSTITUTE OF SURVEYING — EDMONTON BRANCH

Plan now to attend the Annual C.I.S. Curling Bonspiel and Banquet to be held at the Royal Glenora Club, Edmonton, on February 26, 1977. This social event is the highlight of the year for the Edmonton Branch and promises to be an enjoyable day for members and their wives. A special invitation is extended to curling rinks from the Calgary Branch.

The C.I.S. Executive solicits your valued participation in this and other Branch activities throughout the year. As a voluntary association of professional and technical people engaged in surveying and related fields, the C.I.S. is a major vehicle for maintaining contact with your colleagues and for keeping abreast of new developments in surveying through technical presentations and social events. Your involvement is needed to maintain an active, viable Branch.

Further information can be obtained from Mr. R. McCuaig, A.L.S., Chairman, Edmonton Branch, 205 One Thornton Court, Edmonton (phone 426-7135).

JOHN LENNON M.L.S. — S.L.S.

The Association regrets the untimely death of the Vice-President of the Manitoba Land Surveyors Association following a hang-glider accident. Sympathy is extended towards the Lennon family at the loss of a husband and a father, and to the Manitoba Association at the loss of a highly respected member.

CONTINUING EDUCATION, N.A.I.T., EDMONTON

N.A.I.T. Continuing Education requires assistance in correcting correspondence papers in legal and engineering Surveying for $3.75 per paper. If you are interested please contact:

Charles Schrauder
Assistant Director
Continuing Education
Ph: 477-4561
NEW ACTS & REGULATIONS

ALBERTA REGULATION 292/76

(Filed November 4, 1976)

THE LAND SURVEYORS ACT

(O.C. 1178/76)

Approved and Ordered,
RALPH G. STEINHAUER,
Lieutenant Governor.

Edmonton, November 2, 1976

Upon the recommendation of the Honourable the Minister of Transportation, the Lieutenant Governor in
Council, pursuant to section 6, subsection (2), clause (b) of The Land Surveyors Act, approves the by-law in the
attached Appendix, being a By-law to Amend the By-laws of the Alberta Land Surveyors' Association.

PETER LOUGHEED (Chairman)

Certificate under section 4 of Regulations under The Regulations Act.

I, Robert F. Baker, Secretary-treasurer and Registrar of the Alberta Land Surveyors' Association hereby
certify the following to be a true copy of the amendment to the By-laws of the Alberta Land Surveyors' Association,
approved pursuant to section 6, subsection (2) of The Land Surveyors Act at a duly concerned
meeting held on April 22 and 23, 1976.

Dated this 22nd day of September, 1976.

ROBERT F. BAKER, A.L.S.,
Secretary-treasurer and Registrar,
Alberta Land Surveyors' Association.

BY-LAW TO AMEND THE BY-LAWS
OF THE ALBERTA LAND SURVEYORS' ASSOCIATION

1. Section 6, clause (a), subclause (iii) is amended by striking out the word “two” and by substituting the
word “five”.

12
MINUTES OF MEETING — NORTHERN REGION

MEETING:
An informal meeting of the Northern Group was held at the Royal Glenora Club on February 3, 1976. There were twenty-eight members and four guests in attendance. Mr. N.C. Suvan was in attendance as Secretary.

AGENDA:
Chairman Vanderford called the meeting to order at 7:40 P.M. The Minutes of the April 3, 1975 meeting and the May 27, 1975 meeting were read and adopted.

PRESIDENT'S REPORT:
Mr. J. W. Hill briefly reported on the following items —

— Association fees will remain the same as the previous year.
— The members on a co-ordinating council are being kept better informed.
— The proposed adult education act has been dispensed with by the Provincial Government.
— A letter was sent to the Minister regarding changes to the subdivision and transfer regulations had not been circulated in time to the membership.
— A planning course for surveyors in British Columbia has been set up and should be available by correspondence. Additional details are to be worked out in this regard in the near future.
— The discipline committees in other provinces have been very active with many complaints in comparison to very few in Alberta.
— Special Committee on survey systems outlined. Special Committee University education. Many diverse activities and future programs.
— Interest in the A.S.S.T.T. is becoming very apparent and the Association becoming very active.
— Reported on the Canadian Council of Land Surveyors’ Activities.
— B.C.L.S.:— Having trouble with incorporations. No tax benefit if incorporated.
— Trouble with firms bidding on projects situation not resolved.
— Increase in fees of 8% this year.
— The Joint Prairie Council met in October at Regina. Suggest members of Council be present at future meetings.
— Brief discussion re: administration of examina-

N. R. MATTSON reported on the following items —

— Submission of the Condominium Act as printed in A.L.S. News, special attention given to the revised surveyors affidavit. No news at the present as to status of acceptance or rejection.
— Subdivision and transfer regulations as amended are available at the Queens Printers.
— Bill 77 (Unposted Subdivision) passed on December 15 and awaiting Royal Assent.
— New Section 36.1 with possible amendment re: wording of affidavit to conform to Form 14. Right-of-Ways not included in the Bill. Mr. Youngs explained the Order in Council.
— Form 14 changed see Bill 77, Chapter 81. Surveyors advised to use new affidavit on survey plans.
— Form C explained as to its use.
— The co-ordinate governs up to the time that the iron post is planted.
— The Judges Order is required to change error in co-ordinates.
— New regulations presently being prepared to complement the amendments to the Act.
— A Recommendation going to Council re: incorporation of companies.
— Recommendation going to Council re: registration of inactive members.

JOHN DEYHOLOS: briefly reported on the following items —

— Land Titles procedures. Difficult to make any headway with Government Departments, Attorney General's Department will notify Association when they are ready to hear us.

JACK HILL: discussed planning education. Appears that general feeling is that surveyors should upgrade planning education and if possible a degree course made available. Mr. Hill to investigate further with Mr. F. Laux.

MR. D. BASSIL: Program Committee. Gave a brief rundown on the up-coming convention.
G. OLSSON: reported on surveying 1976.
— combined with Alberta Land Surveyors convention at the Edmonton Plaza.
— For people in surveying, engineering, construction etc.
— Aimed at students and professionals in related industries.
— They have a commitment from 34 exhibitors to date.
— The program committee has set up topics and panels for subdivision procedures, D.L.S. system, condominium surveys, Northern Development, co-ordinate systems, urban mapping. Also outlined the Klinkenberg Scholarship fund.

NEW BUSINESS: — Election of Officers

Stan Longson was elected as Chairman by Mr. Mattson, and seconded by Mr. Edwards. Mr. Jack Hagen was nominated Secretary by Mr. Edwards, seconded by Mr. Hill, both positions were received by acclamation.

Meeting adjourned at 10:10 P.M.

SURVEY HISTORY
(Second of a series of autobiographies of Association members who have had place names named after them.)

MAGRATH, town
After Charles A. Magrath (1960-1949). A native of Ontario, Magrath became a surveyor and from 1878-1885 was Dominion Topographical Surveyor in the North-West Territories. From 1885-1906 he was manager of the Canadian North West Irrigation Company. In 1891, he became the first Mayor of Lethbridge and that same year was elected to the North-West Territories Assembly, and was again elected in 1894. From 1908-1911, he was Member of Parliament for Medicine Hat. He served on the International Joint Commission from 1911-1914 and was Chairman from 1914-1936. He was also a member of the Royal Commission on Newfoundland in 1933.

CHARLES ALEXANDER MAGRATH (1960-1949)
In addition to the naming of the Town of Magrath after this very prominent Land Surveyor, one of the main freeways in the City of Lethbridge is named after their first Mayor; namely Mayor Magrath Drive, the southerly entrance to the city.

C.A. Magrath, as Mr. Holmgren’s article points out had a very distinguished public career. He was also a very prominent land surveyor, and perhaps the only surveyor ever to be commissioned in every Province of Canada and also to be commissioned as a Dominion Land Surveyor and a Dominion Topographical Surveyor. It seems that Mr. Magrath completed his DLS preliminary examinations at the age of 12 and received his DLS as soon as he turned 21. There appears to be some confusion as to when Mr. Magrath became an Honourary Member of the Alberta Land Surveyors Association. The History of the Alberta Land Surveyors Association indicates that there was some confusion at the 1932 annual meeting, when the confusion was apparently resolved Mr. Magrath was officially admitted as an Honourary Member. From the December 1963 issue of The Canadian Surveyor the date is mentioned as October 11, 1930.

At least six articles in the Canadian Surveyor have been written by or of Mr. Magrath.

A Review of Ethics
Throughout the Member Associations and a Draft Format of a National Code

Introduction
A fairly comprehensive analysis of the various Provincial Associations’ and Corporations’ Codes of Ethics, including dominant legislation such as the Quebec Provincial Code (Bill 250), has resulted in the compilation of this draft paper. A cross matrix of generalized common principles was developed to form the basic components for a National Code. The format of the Code of Professional Responsibility adopted by the American Bar Association has been incorporated into the presentation in order to avoid any similarities in style to provincial documents.

Current Federal legislative activities that affect the member associations’ jurisdiction related to tariff and the implications of advertising control are recognized in this draft. Consideration must be given in the preparation of any final draft towards translation of the document into the other official Canadian language.

Points of interest uncommon to all Associations are listed herein for the readers’ information and discussion. Many are included in the draft of the National Code either as primary principles or as secondary ethical considerations. This list may not be exhaustive and delegates should not hesitate to point out omissions or misinterpretations. There is a distinct possibility that some principles are contained in a provincial Act and therefore do not ap-
bear under the provincial Code (or vice-versa).
(a) Ontario specifies crew qualifications (support
staff).
(b) Nova Scotia supplies (i) instructions for the
selection of survey consultants plus (ii) a stan-
dard form for a surveyor/client agreement.
(c) The Quebec Professional Code requires profes-
sions to establish by regulation, a conciliation
and arbitration procedure for the accounts of
members which may be used by persons having
recourse to the services of the members.
(d) The Quebec Professional Code requires profes-
sions to determine by regulation, rules pertinent
to the disposition of records, etc. of a retired,
deceased, suspended or dismissed profes-
sional.
(e) Manitoba requires that a member shall be will-
ing, at all times, to do a reasonable share of the
work of the Association when called upon.
(f) Several associations or corporations specifically
prohibit competitive bidding.
(g) Several associations or corporations specifically
indicate the disciplinary procedures
applicable for non-adherence to the Code.

In summary, the substantive details of the various
Codes are reasonably similar. The interpretation of
each section is based on the pertinent provincial
legislation, however, the overall results should en-
able the development of an acceptable national
Code.

In order for any Code of Ethics to contribute to the
maintenance of the professional responsibility and
integrity of the land surveyor, the personal contribu-
tion of conscientious observance to the standards
and guidelines set by the Code is required of all land
surveyors.

The Articles of the draft Code are self evident
generalized statements expressing standards of
professional conduct expected of land surveyors
during their business, social and public relations.
Following each Article are stated the secondary
Ethical Considerations relevant to each Article.
These are more specific statements or principles
that regulate and direct the professional activities.
The method of application of these principles needs
clarification as the Provincial Codes directly guide
the members.

Article 1.
A surveyor should assist in preventing the unau-
thorized practice of his profession.
(a) a surveyor shall not knowingly sign a certifi-
cate, report, or plan of works that was not completed
and prepared under his personal supervision and
for which the surveyor assumes professional re-
sponsibility.
(b) a surveyor shall not enter into any agreement
or partnership that would enable any unauthorized
person or corporate body to practise the profession
of land surveying directly or indirectly.
(c) a surveyor shall not knowingly and willingly
become an accessory to a misdemeanor by failing
to report any unauthorized practice to his Council.
(d) a surveyor shall prohibit his non-professional
staff from performing activities that may be inter-
preted by the public as professional in nature.
(e) a surveyor shall not establish branch offices
unless these offices are under the direction and
management of a resident land surveyor.

Article 2.
A surveyor should assist in maintaining the integ-
rity and competence of the survey profession, and
should assist in improving the survey system.
(a) the surveyor shall assume the professional
responsibility for all works carried out by his non-
professional staff.
(b) the surveyor shall not further the application
for admission to his profession of another person
known by the surveyor to be unqualified by nature
of his character, education or other attributes.
(c) the surveyor shall continually advance his
knowledge and skills by participation in his asso-
ciation/corporation activities and any relevant
continuous education programmes.
(d) the surveyor shall maintain clear and concise
field notes and records, properly certified by the
surveyor; of all land surveying activities involving
the evaluation of evidence, monumentation, mea-
surements and other details.
(e) the surveyor shall at all times, serve his client
or his employer to the best of his knowledge and
ability within the guidelines of his professional re-
sponsibility.

Article 3.
The surveyor should perform his professional
services, assess and receive fair and just compensa-
tion from his client commensurate with; the technical
complexity, level of responsibility and effect of
error of the services performed.
(a) the surveyor shall not enter into any fee-
splitting arrangement with any person other than
another surveyor engaged in the same works.
(b) the surveyor shall give consideration to any
schedule of fees published as information by the
surveyors’ provincial association or corporation
during the preparation of accounts for his client.
(c) the surveyor shall not enter into any competi-
tive bidding practice, but may provide a preliminary
non-binding estimate for his clients.
(d) the surveyor shall not make any fraudulent or
exorbitant charges for his services.
(e) the surveyor shall make available to his client,
on request, copies of details relevant to the assess-
ment for compensation.
Article 4.
A surveyor should avoid even the appearance of professional impropriety.
(a) the surveyor shall disclose to his client any conflict of interest, affiliation or prior involvement that could impair the quality of his services to the client.
(b) the surveyor shall prevent his name being used in a professional way with any persons or enterprises of a dubious or doubtful character.
(c) the surveyor shall refrain from criticism of the works or actions of his colleagues in public.
(d) the surveyor shall not receive compensation for the same service from more than one source, except with the knowledge of the involved parties.
(e) the surveyor shall ensure that his client has knowledge of any available appeal procedures with respect to disputes over accounts.

Article 5.
The surveyor shall preserve the confidences of his client and regard as privileged the information the surveyor may obtain or to the affairs of his client.
(a) the surveyor shall carry the obligation of confidentiality with respect to the client’s affairs after the completion of the surveyor’s assignment or termination of his employment.
(b) the surveyor shall be responsible for the adherence to this Article by his articled student and staff.

Article 6.
The surveyor should exercise independent professional judgment on behalf of a client, and should represent a client competently.
(a) the surveyor shall disregard compromising interests and loyalties, and within the limits of statutory laws and regulations, shall confine his activities to the sole benefit of his client.
(b) the surveyor shall not accept assignments beyond his professional competence without the knowledge of the client, and unless competent consultative support is available.
(c) a surveyor shall not endeavour, by contract or otherwise, to limit his individual liability to his client for his malpractice.
(d) a surveyor shall not accept assignments that are beyond his resources to complete in a time satisfactory to his client.

Article 7.
The surveyor should maintain the dignity of the profession through his associations with his clients, colleagues and subordinates.
(1) the surveyor shall limit his advertising to the adequate provision of information to the public as to his location of business.
(2) the surveyor shall refrain from any false or misleading statements or self-laudatory language in any advertising.
(3) the surveyor shall not attempt to injure falsely or maliciously, directly or indirectly, the professional reputation, and business prospects of any other land surveyor.
(4) the surveyor shall not solicit knowingly, assignments from the client of another surveyor.

John Deyholos
October 18, 1976
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ANNUAL MEETING
Alberta Land Surveyors Association

April 27, 28 and 29
Banff Springs Hotel
Banff, Alberta
ALS NEWS DEADLINE DATES FOR RECEIPT OF MATERIAL

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January 7
SPRING ISSUE
March 7

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Why pay a man to hold the rear end of a measuring chain, when there
is TOPOQUIK!

One man, with TOPOQUIK can measure faster than two men with a
measuring chain, and with accuracy.

Tie thread at the start point, as
the thread comes out the machine,
the distance is monitored in feet
or in meters. When the job is
done, break off the string no re-
washing.

SAVE EXPENSE

WEIGHT: (Loaded): 4 lb.
ACCURACY: - 0.2%
DIMENSIONS: 9¾” X 5¼” X 4½”
Thread Length: 15,000 Feet
CAUTION: When using TOPOQUICK from
a vehicle, the maximum speed at which
- 0.2% is obtained is 8 M.P.H.
A-977F (feet) TOPOQUIK c/w spool
A-977M (meters) TOPOQUIK c/w spool
A-974A Extra spool (15,000 ft.)
All the measurements you need from one instrument—that’s Total Station surveying!

Measures horizontal distance, vertical distance, plus horizontal angle in seconds—without a theodolite, calculator, clamp-ons, or a big investment.
Just point the HP Total Station, press one button, and it automatically measures slope distance, azimuth angle, corrects for curvature and refraction, and displays horizontal distance. You get all the information you need from one instrument—fast.

What’s more, you don’t have to punch in numbers or use a calculator—so you can’t input a wrong number or make transposition mistakes. No more costly resurveying due to human error.

Other good things: The HP3810 has a tracking mode that dramatically shortens layout time, making horizontal distance readings every three seconds. There’s a flashing indicator to warn you if the beam is obstructed by passing cars, waving tree branches, etc. The HP Total Station has a one-mile range so you don’t have to break down long shots. There’s also a switch for instantly converting feet to meters and degrees to grads. Plus a handy backpack available for hiking to remote sites.

All this without a theodolite, transit, calculator, cables, or clamp-ons. In fact, the HP Total Station lets you accomplish in a couple of hours what would take a day using conventional surveying methods. And time is money, right?

Speaking of money, the Total Station doesn’t require a big investment. In fact, it’s priced much lower than you might expect.

For a demonstration or more information, just send in the coupon. Or, better yet, call your HP office today.

*Domestic U.S.A. price only.

In surveying, expect HP to set the standards.

HEWLETT PACKARD

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☐ I’d like a demonstration of the HP3810 Total Station.
☐ I’d like a demonstration of the other HP Surveying Products.
☐ Distance Meters
☐ Programmable Calculators
☐ Please send more information on HP Surveying Products.

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