

Did you know....

Who invented the word "electricity"?

Dr. William Gilbert—who became a physician to Queen Elizabeth 1601. Dr. Gilbert gave the name "electric" to static electricity produced by rubbing a piece of amber with a cloth. He derived the name from electron, the Greek word for "amber."

How did rough measurements come to be called "by the rule of thumb"?

Because that's one way to make rough measurements. The first joint of the thumb is approximately one inch long. A "foot" was once the length of a foot; a "hand," the width of a hand; and "ell," the length of arms from elbow to elbow; and a "fathom," the length of the arms outstretched. We still use "finger" to measure drinks.

What is the reason we call a gratuity a "tip"?

Years ago in English inns and taverns it was customary for the patrons to drop a coin for the benefit of the waiters into a box placed on the wall. On the box was a little sign which said: "To insure promptness." Later just the initials of the phrase were put on the box—T.I.P.

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Directors Chosen for Safety Authority

The BC Safety Authority will open its doors on April 1st, 2004 at which time they will have the responsibility for the delivery of safety services under the Safety Standards Act. Recently, their Board of Directors was announced. Nine members were selected through an application process that began last fall. Two of the nine directors are from the construction industry.

Robert Lashin, President of Houle Electric Ltd. has been appointed. Currently Robert is Vice-Chair of the BC Construction Association and a Director of the Vancouver Regional Construction Association. He is also a member of the Electrical Contractors Association of BC, a council member of the Construction Labour Relations Association and a Professional Engineer registered with APEG of BC.

Also representing the construction industry will be **Axel Gringmuth**, President of E.T.S. Electric Ltd. Axel was formerly a two term President and currently is a member of the Board for the Independent Contractors and Business Association of BC. He was also past president and currently is a Director of Vancouver Electric Vehicle Association.

Other Directors for the Safety Authority include:

Dorothy Beckett, a Canadian Registered Safety Professional (CRSP), is currently the Corporate Safety Manager for Pollard Banknote Ltd. with responsibility for 4 plants in North America and is on the executive of the Kamloops Chapter of the Canadian Society of Safety Engineering.

Peter Cook, a seasoned financial services executive and professional economist who has spent his 37-year career in business and government. For the last decade he has managed both a management consulting firm and a company that specializes in treasury services for financial institutions. Prior to that he was the President and Chief Executive Officer of Citizens Trust Company and Chief Financial Officer of VanCity Savings Credit Union. In addition to serving as a Director of the BC Safety Authority, he is also on the board of BC Buildings Corporation and has served as director of various companies, community associations, foundations and professional organizations.

D'Ángelo (Danny) Cox, P.Eng., currently Vice President, Marsh Risk Consulting providing liability loss control, property loss prevention and risk management services. In this capacity he has specialized

in the ski and recreational resort field and also provides property loss prevention services for the forest, power utility and construction industries. Danny spent 15 years in the ski industry as Manager of Maintenance, Operations and Area Manager of various Western Canadian ski areas. He presently is serving as account engineer on over 100 ski resorts. Danny is the Vice Chairman of CAN/CSA-Z98 (Passenger Ropeways & Conveyors) Technical Committee.

Tom Fletcher, President of a consulting practice focused on management and planning for municipalities and other government agencies. Services to his clients include leadership and management capacity building; strategic planning; intergovernmental negotiations; urban, planning studies; development management; policy advice; and regulatory review projects.

J. Peter Meekison, O.C., Ph.D., University Professor Emeritus of Political Science of the University of Alberta. He is currently an Adjunct Professor of Political Science at the University of Victoria. Dr. Meekison was Vice-President (Academic) at the University and was appointed in 1993 by the Government of Canada as a Commissioner on the Royal Commission on Aboriginal Peoples. He served for 7 years as Deputy Minister with Alberta Federal and Intergovernmental Affairs.

John Watson is a Professional Engineer and a Chartered Arbitrator with over 35 years of experience in the management of design and construction of major industrial projects in Canada and abroad. He has served as President of the Association of Professional Engineers and Geoscientists of British Columbia. He is a founding director of the Vancouver International Airport Authority. Prior to retiring,

Ray Whitehead was regional director of the Canadian Union of Public Employees in B.C., responsible for the administration of the main office and nine regional offices throughout the province. He is past treasurer of Branch 263 of the Royal Canadian Legion and is a member at large of that organization. In addition to his appointment to the BC Safety Authority, Ray also serves on the Board of Directors of the BC Ferry Corporation. There are still three Directors to be appointed by the Ministry of Community, Aboriginal and Women's Services. The Chief Executive Officer for the Authority will be the current interim CEO, Harry Diemer.

New First Aid Requirements Effective March 30, 2004

You will recall that amendments to Part 33 of the Occupational Health and Safety Regulation adopt performance based requirements for first aid. Rather than specifying required control measures, the new requirements obligate an employer to conduct a risk assessment of each workplace.

The control measures employed as a result of the risk assessment must ensure that adequate and appropriate first aid equipment, supplies, facilities, attendants and services are provided for promptly rendering first aid and transporting injured workers for treatment.

The amendments also identify factors that must be considered when conducting the risk assessment.

Specifically, an employer will be required to consider:

- The number of workers who may require first aid at any time;
- The nature and extent of the risks and hazards in the workplace, including whether or not the workplace as a whole creates a low risk of injury;
- The types of injuries likely to occur;
- Any barriers to first aid being provided to an injured worker; and
- The time that may be required to obtain transportation and transport an injured worker to a place where the worker may

receive medical treatment.

Employers will be required to conduct a risk assessment on an annual basis and maintain written procedures for the provision of first aid at the worksite.

The prevention division is currently finalizing guidelines to assist workplace parties in ensuring compliance with the new requirements. The Prevention Division will also monitor the implementation of the new first aid provisions and report to the Board of Directors by April 2005.

Employers' Advisors Providing Overview Sessions in March

Employers Advisors are offering complimentary overview sessions on the new First Aid requirements to all employers throughout March. You must pre-register for these sessions:

For Richmond sessions:

604.713.0303—Toll Free—800.925.2233

For Abbotsford sessions:

604.870.5492—Toll Free—
800.870.5492

History of St. Patrick's Day

The person who was to become St. Patrick, the patron saint of Ireland, was born in Wales about AD 385. His given name was Maewyn, and he almost didn't get the job of bishop of Ireland because he lacked the required scholarship. Then, far from being a saint, St. Patrick considered himself a Pagan until he was 16 years old. When he was 16, Patrick was kidnapped by an Irish raiding party and forced into slavery. It was here; in captivity that St. Patrick supposedly became closer with God. After six years of slavery, St. Patrick finally escaped and made his way back home to Gaul where he studied in the monastery under St. Germain, bishop of Auxerre for a period of twelve years. Soon after, it is said that Patrick received a divine call in a dream to return to Ireland as a Christian missionary. His superiors instead appointed St. Palladius. But two years later, Palladius transferred to Scotland. Patrick, having adopted that Christian name earlier, was then appointed as second bishop to Ireland.

Patrick was quite successful at winning converts. And this fact upset the Celtic Druids. Patrick was arrested several times, but escaped each time. He traveled throughout Ireland, establishing monasteries across the country. He also set up schools and churches which would aid him in his conversion of the Irish country to Christianity.

His mission lasted in Ireland lasted for thirty years. After that time, Patrick retired to County Down. He died on March 17 in AD 461. That day has been commemorated as St. Patrick's Day ever since.

The St. Patrick's Day custom came to America in 1737. That was the first year St. Patrick's Day was publicly celebrated in this country, in Boston.



The BC Economy -Building Permits

The value of building permits issued in BC was up 19.4% (seasonally adjusted) in January.

Permits for commercial buildings led the expansion (+98.8%), while the value of industrial building permits fell (-36.8%) for the third consecutive month. Residential permits—the largest

category—rose 9.1%. Building permits in BC have been on an upward trend since the fourth quarter of 2000. However, there is a great deal of month-to-month variation, even after adjusting for seasonal factors.

Data Source: Statistics Canada

The Nation's Economy

The Canadian economy grew 0.9% (seasonally adjusted) in the fourth quarter, its best performance in six quarters.

A 3.2% increase in exports was the main contributor to the strong growth, as international shipments rebounded after a four-quarter slump. Exports of industrial goods and materials led the way, jumping 8.3%. For the first time in five quarters, manufacturing experi-

enced an increase in output (+2.0%). Part of this was a recovery from the electrical blackout in Ontario experienced in the third quarter. Final domestic demand edged up 0.3%, its weakest showing in two years, driven by flat consumer (+0.0%) and government (+0.1%) spending.

Data Source: Statistics Canada

EDUCATION

Courtesy VRCA Jackhammer

PROFITABLE CONTRACTING WORKSHOP

VRCA is pleased to offer a 4-hour workshop designed to assist contractors and support staff increase productivity and improve profits.

Some things owners and managers of contracting firms will learn:

- How to increase contracting profits
- Proven ways to increase labour efficiency
- Why change orders are great contributors to job losses

- Where to look for other sources of additional cash
- How to reduce accounting costs
- Three mandatory procedures to ensure control over bank accounts and cash flow

This workshop was designed specifically for small to medium sized contractors ... the ones least likely to afford the cost of a full-time financial manager.

The Workshop Leader, Wayne Newell, has spent over 25 years in senior financial roles with firms ranging from \$2,000,000 to \$50,000,000 in

annual construction revenues.

The seminar is scheduled for Wednesday, March 24, 2004 from 8:30 a.m. to 12:30 p.m.

For VRCA Members, the registration fee is only \$135 per person (*includes seminar materials*). **This pricing is for ECABC members also. ECABC will reimburse 50% of the cost to those ECA members who complete the workshop.**

Contact VRCA today to register or to find out more information. 604.294.3766

CCDC 22 – 2002 A Guide to Construction Surety Bonds

Courtesy VRCA Jackhammer

The purpose of this guide is to help the construction and business communities in Canada better understand surety bonds and the suretyship process. This guide was prepared by the Surety Sub-Committee of the Canadian Construction Documents Committee (CCDC) and is endorsed by the

constituent organizations of the CCDC and the Surety Association of Canada.

Surety bonds are by far the most common means of securing contractual obligations in the construction industry today. Bonds are unique in that they are the only contract security specifically designed to be used with construction

contracts. Despite their extensive use, however, such bonds and the suretyship process are not well understood. Those who use bonds as an integral part of their business (i.e., contractors, construction purchasers, subcontractors, suppliers, design professionals and even surety companies themselves) often have divergent ideas about and expectations of surety bonds and the suretyship process. Too often bonds are perceived as an obstacle – another document to obtain before the bid is submitted or the contract is signed. This Guide attempts to fill the information gap and assist all sectors of the construction industry in using surety bonds to

their advantage.

CCDC 22 describes the suretyship process and clear up some commonly held misconceptions. The guide is divided into three parts. Part 1 reviews suretyship, what a bond is and how it differs from other risk management tools. Part 2 discusses how suretyship works in practice, how bonds are obtained, the requirements of a surety company, and how the company proceeds through the prequalification process. Part 3 examines the various forms of bonds with a view to understanding the purpose of each bond and the claims

CCDC 24: A Guide to Model Forms and Support Documents

Courtesy VRCA Jackhammer

CCDC contract forms refer to a number of administrative processes and forms. The purpose of this Guide is to assist users of CCDC 2 “Stipulated Price Contract” in meeting these administrative requirements.

The administrative processes and forms covered in this guide include:

- Pre-qualification of Contractors (CCDC 11)
- Financial Information Required of the Owner (CCDC 12)
- Payment (e.g. application for payment, schedule of values, certificate for payment, statutory declarations, certificate of substantial performance)
- Supplemental Instruction
- Change (e.g. proposed change, change order, change directive, sum-

mary of changes, combined proposed change and change order)

- Notification
- Warranty

Each model form covered by this guide contains:

- a brief explanation of the administrative processes involved;
- a short narrative description to guide users of the form;
- a list of items which should be included in the form; and
- an example of a model form

With the exception of CCDC 11 and CCDC 12, users may reproduce or reprint the model forms contained in CCDC 24 for their own use.

DND Requires Gold Seal as a Performance Standard

Courtesy VRCA Jackhammer

The Gold Seal Committee was surprised to learn of a recent decision by the Department of National Defense to mandate Gold Seal Certification as a requirement for the new Maritime Helicopter Training Facility in Nova Scotia. The performance specification sets out that key management personnel, i.e., Project Manager and Superintendent must “Be Canadian Construction Association Gold Seal certified.”

This turn of events has prompted the National Gold Seal Committee to seek CCA Board approval to authorize CCA to pro-actively promote to owners within the CCA scope of influence that they begin using Gold Seal as the standard for construction management personnel. This permits CCA to ensure that the use of Gold Seal as a condition of contract is implemented in a manner and pace that is acceptable

to the industry-at-large. For example, this might mean the use of a phased-in approach that would permit the acceptance of the Gold Seal Intern (GSI) or that would be limited to certain contract values. This issue will be an agenda item at the upcoming meeting of the CCA board of Directors in March 2004.

Access to WCB Regulation Made Easier

The CSABC, with the cooperation of the WCB, has made it easier for the Construction Industry to access the WCB Occupational Health & Safety Regulation (OHSR).

There is now a direct link from the CSABC website: www.csabc.ca under "Hot Issues" --to the WCB web page that lists the OHSR.

You can then search the Regulation by keyword or by section to find what you need.

As well, the link provides direct access to other health & safety related material – including the Prevention Policies Manual; Guidelines for the Act and Regulation; WCB Standards; relevant excerpts from the

Workers' Compensation Act and proposed changes to these materials as they occur.

You are also able to download and print the material you need.

For further information or questions about the new link, call Grant McMillan at 604-241-7667.

CCA Subcontract Replaces BCCA 200

Following extensive consultation and debate, the BC Construction Association has decided to endorse the CCA 1 Stipulated Price Subcontract as the appropriate standard form of construction contract between the prime contractor and the subcontractor in British Columbia. The CCA1 Stipulated Price Subcontract will replace the BCCA 200 Subcontract currently in use across British Columbia.

The CCA Subcontract is quite comprehensive and similar in content to the BCCA 200.

However there are some differences for example,

The CCA Subcontract provides the opportunity to choose whether the parties wish the Prime Contract or the Subcontract to govern in the case of any conflict between the two contracts (prime and subcontract). The BCCA 200 contract indicated that in the Subcontract would prevail over the Prime contract on matters relating solely between the Prime contractor and the Subcontractor, and that the Prime contract prevails in all other circumstances.

There are slightly different time frames and interest rates indicated in the payment clauses.

The CCA Subcontract has added a list of definitions to the document.

We recommend a careful initial review of the CCA Subcontract prior to use in order that the differences between the two contracts can be highlighted.

VRCA wishes to advise that sales of the BCCA 200 and all related documents will cease effective March 31st

WCB Reorganizes its Operations

The WCB has made major changes in the way it will deliver service under its new President/CEO David Anderson. The outline of the new structure is described below. More details will be provided as they become available.

In a new Worker and Employer Services Division, led by Vice-President Diana Miles, Prevention officers, case managers, entitlement officers, and all claims and assessments call centres will work together in new teams to enhance customer service.

A new Investigations and Review Divisions, led by Vice-President Roberta Ellis, will be responsible for all investigative functions, including Prevention investigations, claims investigations, Special Investigations Branch, WCB internal security and the Medical Review Panel. Roberta will also have administrative responsibility for the Review Division.

The new Program Design Division, led by

Vice-President Steve Barnett, will be responsible for program design, industry services, clinical and rehabilitation services, vocational rehabilitation and training.

The Finance, Information Services and Stakeholder Relations Division, led by Chief Financial Officer Sid Fattedad, will be responsible for its traditional services as well as payroll, records management, corporate stakeholder relations and the Communications Department.

The Policy and Research Division, led by Vice President Margaret Eckenfelder, will be responsible for what was formerly the Policy and Regulation Development Bureau, as well as the Research Secretariat and the Corporate Library.

The Human Resources and Facilities Division, led by Vice-President Vaughan Bowser, will continue to operate much as it has and will incorporate health, safety, return to work and wellness of WCB staff.



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ECABC Members use your Perfect Partner #96872 for 10% Discount on all new orders and 5% on repeat.

347 Volt Lighting Systems

By Ted Olechna, courtesy of ECAO publication

347 for lighting volt circuit is commonly used in industrial, commercial and institutional settings application. The reason for this circuit's popularity is in its assumed economic viability. First, 347 volt circuit can accommodate more light fixtures than 120 volt circuit per branch circuit. Second, 347 volt circuit can be directly wired to the building with no need of a transformer. The same cannot be said of other voltages. When installing lighting equipment, in other than a dwelling unit, there are a number of basic rules in the *Ontario Electrical Safety Code* that have to be followed. Rule 30-104 requires that luminaires, lampholders, and lighting track shall not be connected to a branch circuit unless it is protected by an overcurrent device rated or set by:

- 15 A where the input voltage exceeds 347 V nominal, or
- 20 A where the input voltage does not exceed 347 V nominal.

Rule 30-110 requires that all non-current carrying metal parts of luminaires and associated equipment shall be bonded to ground. In lighting branch circuits, rule 30-412 permits a tap conductor sized no smaller than a No. 14 AWG be used from a 20 A branch circuit to feed single luminaires or end-to-end mounted luminaires. The No. 14 AWG tap conductor shall not be longer than 7.5 m and shall have an ampacity no less than the rating of the luminaires that the tap conductor feeds.

Subrule 4-034(4) requires that the continuity of the identified conductor in a multi-wire branch circuit be independent of device connections such as lampholders, and ballasts, so that devices may be disconnected/removed without interrupting the continuity of the identified conductor. This implies that identified terminals lampholders or other devices should not be used as feed-through mediums and that a tap-off means to the device terminations should be used.

In addition, rule 4-022 outlines how the sizing of the neutral conductor shall have sufficient ampacity to carry the unbalanced load. The unbal-

anced load may be comprised of two components: unbalancing in the phase loading and harmonics produced from non-linear loads.

It is essential that the neutral conductor in new 3Ø 4 wire electric discharge lighting installations be sized to handle the unbalanced load currents that are created by any un-balanced loading conditions together with the harmonics generated by connected non-linear loads. Electric discharge lighting includes fluorescent and high intensity discharge lighting (e.g. Metal Halide). In the case of existing installations where there may be harmonic concerns, the size of neutral conductor should be recalculated considering the total unbalanced current including both unbalanced load current and zero sequence harmonic currents.

However, working with 347 volt circuit has inherent risks and potential danger that has resulted in fatalities and injuries. Typically, many industrial and commercial lighting installations operate at 347 volts and do not have individual area switching. The lack of switching makes it difficult to de-energize the circuit when performing maintenance such as ballast changes. As much as working with energized lines is the last re-sort for most electrical applications, it is very much a part of the norm when working with 347 volt circuit. Typically, this circuit is of a multi-wire branch type and many facilities use a single-pole breaker for a block of lights. This presents a potential hazard.

Multi-wire branch circuits utilize a common neutral conductor (identified conductor) as permitted by rule 4-024. By switching a single-pole breaker 'off,' the circuit de-energizes only one branch of the circuit while leaving the other two branches energized. The continuity of these two-branch circuits is maintained by the common neutral conductor. If the continuity of the neutral conductor is interrupted while other branch circuits are energized, any accidental contact with the neutral conductor will effectively connect the person to ground, thus completing the circuit and electrocuting the worker.

WCB Regulation 19.10 (3) – 347 Volt Lighting Systems

Following is the text of a recent letter sent to **Grant McMillan** of the Council of Construction Associations (COCA), prepared by **Graham Trafford**, General Manager of Mott Electric Ltd.

I am writing to you to request your assistance with the removal or re-writing of the above noted regulation. This regulation places an impossible burden on electrical contractors in certain situations to follow the regulations and also to be able to complete the work as requested by their customers. It is my feeling that with proper written procedures and training workers can be safe and the job can be completed in an efficient manner.

In some situations we run across the following scenario where we are called into an occupied space that has 347V lighting, there are a few fixtures that are not working and the customer is requesting that we repair these fixtures. The Canadian Electrical Code allows for a large number of fixtures to be wired on one circuit protected by a 20 A breaker. If that circuit was locked out to isolate the energy source it would shutdown the lighting for a large portion of the occupied space. In these situations when we are unable to turn off the power we would need to work on the fixtures while they are energized. If this were the case according to the regulations we would require prior written permission from the Board before we started.

Under that scenario it could be feasible that we would have a service call that would normally take an hour to complete stretch in to days or weeks while we go through the process of receiving permission from the

board to work on an energized 347 volt lighting circuit. The other option for the customer would be to call another contractor who would be willing to do the work without that approval from the board. I feel as a contractor who adheres to the regulations as they are written that I should not be hampered in my ability to do work safely because of a regulation that is unworkable and onerous.

The number one priority for Mott Electric is to insure that all of our workers follow safe work practices. The solution to this problem, from my point of view, is to have in place a complete written work procedure in which the first line states that whenever possible, the power source should be isolated and locked-out.

I am also sending you a copy of our alternate lockout procedure that reviews the steps to be taken when it is not possible to isolate the circuit. With the proper training of workers and the adherence to these procedures safe work practices could be followed at all times.

Editor's Note: In light of the ECAO article on 347 volt lighting systems, I thought it appropriate to make you aware of Mott Electric's request, which ECABC supports. Please watch for the response to this request in a forthcoming issue of the *Conduit*.



Electrical Contractors
Association of BC

#201—3989 Henning Drive
Burnaby, BC
V5C 6N5
Phone: 604.294.4123
Fax: 604.294.4120

Schedule of Events

February 18, 2004

Vancouver Chapter Meeting
Accent Inn, Burnaby

February 24—25

BC Construction Show
Vancouver Trade & Convention Centre

March 11, 2004

Vancouver Island Chapter Meeting
Location TBA (Probably Nanaimo)

March 19—24

Board of Directors
Spring Planning Retreat

June 11, 2004

Hall of Fame Dinner
Waterfront Hotel

July 28, 2004

Vancouver Chapter Fireworks
Dinner Cruise

Battle of the Sexes

A husband, looking through the newspaper, came upon a study that said women use more words than men. Excited to prove to his wife his long-held contention that women in general, and his wife in particular, talked too much, he showed her the study results. The report stated: "Men use about 15,000 words per day, but women use 30,000."

His wife thought awhile, then finally she said to her husband, "It's because we have to repeat everything we say." The husband said, "What?"

ECA Logo



Please remember to use the ECABC logo in conjunction with your stationery or any advertising you do. Association membership reflects well on a contractor or supplier and the association.

For those of you still receiving The Conduit by fax, please call Zana at 604-294-4123 and she will be pleased to email it to you or send it to you on a CD.

Benefits of Membership in ECABC

Advocacy

- 1 Strong united voice to government for expressing opinions and concerns regarding issues that directly affect the electrical industry
- 2 Representation on other associations, committees and councils that deal with apprenticeship, safety, WCB and other issues

Consulting - Contract interpretation service

Discounts and Special Services

- 1 Petro-Canada SuperPass Program - New!
- 2 Esso Fleet Discount Program
- 3 Accent Inns – Preferred Rates
- 4 DM Credit Services

Education

- 1 Seminars or information sessions and speakers at chapter meetings
- 2 Salaried Employees Training Trust Fund (SETTF)
- 3 BC Electrical Association Scholarship Fund

Health Care – BC Construction Association Group Benefit Plan

Insurance - Industry specific insurance from Federated Insurance

Marketing – ECA website, advertising, electrical engineering/consultants program ECABC logo/membership stickers

Networking - Regular networking opportunities at monthly chapter meetings, annual general meetings, and an annual national conference

News

1. The Conduit and Relay newsletters to keep you up to date on industry issues and events and
2. NECA/WCB Safety Alerts

Publications – Access to a host of publications, videos, and manuals such as the Seismic Restraint Standards Manual and Health & Safety Policy Manual.

Legal – Alexander Holburn Beaudin Lang—Vancouver Law firm offering preferred rates to ECABC members for

Benefits currently in negotiation—

- Accounting (taxes, etc) discounted
- Cellular phone discounts
- ECABC Scholarship Fund
- Courier Services

ECABC's Outside Involvement (ECA is involved with the following organizations/associations)

BC Electrical Association (BCEA), BCIT Construction Management Program Advisory Committee, BCIT Electrical and Electronic Program Advisory Committee, Camosun Electrical Program Advisory Committee, College Instructors Articulation Committee, Construction Specifications Can-

ada (CSC), Council of Construction Associations (COCA), Council of Construction Trade Associations (COCTA), Electrical Inspectors Association (EIA), Electrical Safety Review and Appeal Boards, Electrical Safety Advisory Committee (ESAC), IBEW 213/ECA Joint Training and Journeyman Upgrading Committee (EJTC), Public Construction Council (PCC) and Western Joint Electrical Training Society (Western Jets)



Vancouver Chapter Boat Cruise

Date: July 28, 2004

Time: 7:00 pm—11:30 pm

Board the MV Magic Charm at Coal Harbour—Behind the Bayshore Hotel on Georgia and Cardero Street.

Contact person: Zana Gordon

Phone: 604.294.4123

Fax: 604.294.4120



Electrical Contractors Association of BC

#201—3989 Henning Drive

Burnaby, BC

V5C 6N5

Phone: 604.294.4123

Fax: 604.294.4120

Email: eca@eca.bc.ca

Tickets **\$75** per person (adult or child)

Maximum of 10 people per company*

NO CANCELLATIONS OR RE-FUNDS

* If the maximum number of tickets is not achieved those companies who have ordered 10 tickets will receive first opportunity to purchase more tickets.

Join us in a 4 hour cruise of the Vancouver Harbour aboard the MV Magic Charm. This wonderful evening will consist of dinner catered by the Wild Garlic Restaurant. The evening sky of Vancouver will provide an ample backdrop to enjoy the spectacular fireworks displayed by the first night of the Celebration of Light Fireworks Competition

If you want to register please complete the following and fax in to 604.294.4120

Name: _____ # of tickets _____

Company: _____

Address: _____

City: _____ Prov: _____ Postal Code _____

Method of Payment: _____ Invoice _____ Credit Card _____

If paying by credit card please complete the following:

Card Type: _____ Card number _____

Expiry Date: _____

Name as it appears on card: _____