

# the predicator

portland chapter



vol. 14, no. 1 construction specifications institute July, 1974

## officers/directors 74/75

Kenneth L. Searl	President	223-1181
Margie Largent	Vice President	636-6977
Gordon Todd	Secretary	246-8295
Dexter Walter	Treasurer	655-7166
Laurence Arnold		206 + 696-1651
James Grady	Technical	228-5151
Rod Heestand	Awards	235-8383
Donald Kramer		206 + 693-1621
Verne Brice	Advisor Past President	227-3461

## standing committees

Technical	James Grady	228-5151
Programs	Margie Largent	636-6977
Publications	Don Walton	234-0655
Membership	Keith Schaber	228-6411
Fiscal	Dick Risley	235-0177

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Archives/Historian Attendance	Herman Ford	234-4788
Awards	Rod Heestand	235-8383
By-Laws	Betty Shevlin	226-6316
Chapter Affairs	Al Beard	224-9656
Education		
Nominations		

## predicator staff

Editor 4/74 Don Walton  
 Advisor and past Editor: Lee and Perky Kilbourn  
 Circulation:  
 Advertising:  
 Copy Make-Up

## Take Me to Your Leader

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KEN SEARL C.S.I.

In the past information regarding just what CSI is and does, is not given in sufficient quantity to new members. In the future at most meetings a brief discussion will be given regarding CSI aims and other education information.

In the past chapter meetings have largely been program oriented. We hope to change this a bit and give more general information at each meeting. Our programs will continue to be our prime requisite but, as they used to say in the golden days of motion pictures, we will also have some selected short subjects.

During the rest of summer your officers and committees will meet and formulate plans for the forthcoming year. Keep watching this column each month for more information on upcoming developments your new officers are going to lay on you

UPCOMING

UPCOMING

UPCOMING

## UPCOMING EVENTS (Mark Your Calendar)

### PORTLAND CHAPTER MEETING

#### September 10th

"Hardware Trends" by L. J. Caplan Co.

#### October 8th

"Price increases and Shortages in Construction Materials" Sponsored by A.G.C.

#### November 12th

"Uniform Building Code and Modifications as Adopted by the State of Oregon"

#### December 10th

"Security"

Panel discussion by Portland police person, security organization person, industry person, professional person.

CONSTRUCTION SPECIFICATIONS  
INSTITUTE  
REGION 12  
REGIONAL CONFERENCE 1974

Who: The Construction Specifications Institute  
 What: Region 12 Annual Conference  
 Where: The Village Green, Cottage Grove, Oregon  
 When: October 3 through October 6, 1974  
 Host Chapter: Willamette Valley  
 Theme: The Challenge of Change OR How Do We Get to Tomorrow?

The Predicator published at:  
 Modernfold Northwest  
 7900 S.E. Milwaukie  
 Portland, Oregon 97202  
 234-0655

## ex-editor wins award convention highlights

our thanks to janice finney

for the following article

The CSI Specification Competition Committee has awarded Lee Kilbourn, Specification Writer for Wolff Zimmer Gunsul Frasca (and ex-editor of the Predicator), an Honor Award in Category E (Multi-Dwelling Units) for his Cascade Head Ranch Condominium Specifications.

The Cascade Head Ranch Condominium project consists of a grouping of "Villagehouses" set on a steep meadow near the Oregon Coast. The "Villagehouses" have cedar siding exteriors, heavy duty composition and wood shingle roofs, private sun decks, hardwood floors and permanent fireplaces.

In writing the specification for the project, Lee encountered many challenges. In addition to providing for the unusual double roof construction, the extremely steep site, the exterior finish (which must weather evenly while exposed to uncommonly harsh weathering conditions), and providing for underground utility lines (while at the same time maintaining the natural ground cover), Lee had to write the Mechanical and Electrical portions of the specification. At Wolff Zimmer this is normally a task for consulting engineers. Lee only assists by coordinating the information and format style.

In view of Lee's continuing exceptional work at Wolff Zimmer, his dedication to the profession and its standards of excellence, his active participation in CSI, and his most recent successes with the Cascade Head Ranch specification, it would not be too surprising if there were many more awards in Lee's promising future. We all hope so. Good luck, Lee!

**renew your dues**

**renew your dues**

**renew your dues**

The Construction Specifications Institute, Eighteenth Annual Convention and Exhibit is now history. I am sure it will go down as one of the finest conventions ever. A great deal of Thanks goes to our two co-chairman Dick Ehmann and Russ Graham for the tremendous job they did in organizing and planning all activities.

As most of you know it takes a great deal of financial support to carry out any convention of this size or magnitude. A good deal of the monies required come from the suppliers and manufacturers who buy exhibit space. This year it was announced that 282 exhibitors were present. This is the largest number ever present at any convention of this type. To all exhibits — WE THANK YOU. If this wasn't enough good news, we were informed that prior to the end of the convention, over half of the exhibitors bought exhibit space for next years National, which will be held in New Orleans, Louisiana. Your editor started to check around to see how exhibitors felt about their participation in this show. Without exception all stated they would be in next years show because of the communication shown between the Industry/Professional Members. It is quite obvious to all who attended, this is the place to come, to exchange or find out new ideas, and learn about new products, etc.

Our area was pleased to see our former editor, Mr. Lee Kilbourn, receive the category "E" Multi-unit Housing Honor Award for the Cascade Head Ranch Condominiums project at Tillamook County, Oregon. Congratulations — Lee for a job well done. Our neighbor chapter (Wilamette Valley Chapter) was awarded the "Chapter Technical Excellence Award" for their significant achievement in technical activity during the past year. This award was received on behalf of the chapter by our good friend Paul Edlund. Our congratulations to them also for a job well done. In Category "I" Landscape and Site Improvements the Merit Award was presented to Larry Fisher of the Spokane Chapter, for the Carousel Building in Spokane, Washington. Many of you know Larry through his work as editor of the Spokane Newsletter "The Punch List". We were happy to see so many awards given to our Region 12 People. The Publication Commendation Award was presented to the SYMPOSIA MAGAZINE. The award was received by Fletcher and

Betty Trunk, the publishers and editors of the magazine. They were pleased to be honored by a special reception attended by their editorial board, the regional chapter presidents from the local chapters, along with the editors of the local chapter newsletters. They are a great couple and publish a tremendous magazine.

The tours and receptions were well received. The Early Bird Tour up the Columbia River Gorge was sold out. Those who went were ready to set down roots in Oregon. Many could not understand why our Great Governor McCall would say such bad things about Oregon such as "People don't tan in Oregon, they rust!"

The Host Chapter Reception on Sunday night, along with the Monday evening part sponsored by CSI and McGraw Hill were packed to capacity and were very well received. The McGraw Hill Monday evening program was held at the Multnomah County Exposition Center. Those attending heard music with a Northwest Flair, saw log rolling contests, ate a delicious barbecued salmon dinner and saw a precision equestrian performance put on by the Clackamas County Mounted Sheriff's Posse.

The Presidents Reception and Banquet was a gala and memorable event to close out the convention. Words are not capable of presenting you the success of this program.


As you all know CSI is not just awards and fun but is becoming well known for its serious nature of promoting excellence in the construction industry. Many of the technical programs presented, we hope to publish in the future issues of the Predicator. Room/space and time does not permit us to cover them all here this month. Please contact the Editor or Predicator Staff if you wish any further information on Convention Activities. Let's plan to see a good turn-out in New Orleans as I am sure you who attended would say "It was worth all the time and effort."

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**editors remarks**

Many of you already know our good friends Lee and Perky (Pondering Perky) have burned out their candles as co-editors of the Predicator. We are sorry to see them give up this job. However, we hope to prevail on them to provide technical assistance and moral support in the future. On behalf of the entire chapter, we wish to thank them for all of their work and accomplishments to date.

As your new editor, I look forward to the challenge of building upon the foundation established by your previous editors. It is with this in mind, I would like to give some insight into our projected plans which require a great deal of your support. We hope with your support we can build our local chapter into a highly professional, productive and informative organization, built around the principal objectives of the construction specifications institute.

Each month we plan to feature the following:

1. *Presidents personal column*, remarks from Ken Searl on chapter programs, functions, policy, direction or any other items he may wish to discuss.

2. *Upcoming events*, we wish to keep the membership informed of all upcoming local chapter meetings, regional meetings, national conventions etc. We want to get a listing of all type meetings, seminars, programs etc., which may come to your attention, which you feel would be of interest. We want to help our membership be aware of all A.I.A., P.C. programs, and technical meetings in our area. Let's hear from you.

3. *"Membership column"*: We will feature background information on new members. We hope to introduce a new member into the chapter in such a way that they will be well known to all. We look to Keith Schaber to come up with this biographical information. Your help in getting new members along with a biographical sketch for Keith is solicited. We also plan to feature current members who acquired notoriety for an activity in line with C.S.I. programs or other related activities.

4. *Editors column*: In this column we plan to provide information on new prod-

HAPPENINGS  
EVENTS  
(BY YE OLD EDITOR)  
EDITORS REMARKS  
BY DON WALTON

ucts, data on new codes, restrictions, and organizational changes. We would like for you to take a few moments now to send us this information. You may be a supplier of building products or specifier of same, and be aware of a new product or technical information which would be of interest to all members.

Your comments on other items you would like to see in your Predicator are solicited.

Now, in regards to the publication of the Predicator we are looking for people to assist in the area of advertising, mailing, copy make-up etc. If you can spare some time each month, please get in touch with the current editor (see front page). If we can get a staff of five to six people to assist we will cut down our time for each individual to a couple of hours each month. Please let us know if you can help so we can add your name to our staff list on the front page.

We do not plan to put out a August issue as no meetings are planned. Enjoy your summer and see you in September.

Editor  
Don Walton




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**Publication Correction**

In our May issue, we stated Margie Largent was active in AIA. This statement applies to another architect named Marge. Sorry for this wrong identity.

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portland chapter



vol. 14, no. 2 construction specifications institute september, 1974

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This month our editor Don Walton said he would mail me some information regarding CSI from which I could base my president's column article. After five days of not arriving in the mail from across town, I decided to forge ahead without it because my vacation is starting tomorrow. We are going to Utah to my niece's wedding then we are all going to Las Vegas for the honeymoon. It seems to me the specifications for honeymoons have undergone considerable revisions and addenda since I was married years ago. Apparently they have adopted the three-part format. I'll let you figure that one out.

Since becoming president of Portland Chapter, CSI, it appears three main requirements are needed: the president must have the patience of Job, the wisdom of Solomon, and the memory and tenacity of Bulldog Drummond. One of my fellow workers reading over my shoulder, snorted and said, "Well, at least you look like Bulldog Drummond!" I'm not speaking to him for at least two weeks.

On the more serious side, your President and Board of Directors and lots of helpers, including those without portfolio, are working and planning for the next year's agenda. Of the main attractions coming up will be a products fair sometime next year. Dates and information will be announced by that committee as soon as possible.

Don't forget to make plans to attend the regional conference to be held in early October at the Village Green at Cottage Grove.

UPCOMING

UPCOMING

UPCOMING

## UPCOMING EVENTS (Mark Your Calendar)

### PORTLAND CHAPTER MEETING

#### SEPTEMBER 10th

"HARDWARE TRENDS" by L. J. Caplan Co.

Place: Heathman, Park Haviland Hotel  
 731 S. W. Salmon

Time: Cocktails in Skyway 5:30pm  
 Dinner 7:00pm  
 Meeting 8:00pm

Contact Betty Shevlin at 646-0211 before Monday, Noon, Sept. 9th, if you plan to attend so reservations can be made for dinners and meeting space requirements. CALL NOW!

#### OCTOBER 8th

Pope and Talbot Tour, Kalama, Washington

#### NOVEMBER 12th

Uniform Building Codes and Modifications as adopted by the State of Oregon

#### DECEMBER 10th


Security Program

CONSTRUCTION SPECIFICATIONS INSTITUTE  
 REGION 12  
 REGIONAL CONFERENCE 1974

Who: The Construction Specifications Institute  
 What: Region 12 Annual Conference  
 Where: The Village Green, Cottage Grove, Oregon  
 When: October 3 through October 6, 1974  
 Host Chapter: Willamette Valley  
 Theme: The Challenge of Change  
 OR How Do We Get to Tomorrow?

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REGION 12 CONFERENCE — CSI

The Village Green Cottage Grove, Oregon

**THURSDAY, OCTOBER 3**

WHEN	WHAT	WHERE
4.00 — 6.00 p.m.	Registration	Lobby
4.00 — 6.00 p.m.	Chapter Presidents and Region Committee Meetings	Board Room & Others
6.30 — 8.00 p.m.	Cocktails	The Loft
8.00 p.m.	Free Evening — Dine in the IRON MAIDEN ROOM or select from the list of recommended places in conferees packet.	

**FRIDAY, OCTOBER 4**

8.30 a.m.	Registration Open	Lobby
9.30 — 10.30 a.m.	Opening Ceremonies and THE CHALLENGE OF CHANGE	The Loft
10.30 — 10.45 a.m.	Coffee Break	
10.45 — 11.45 a.m.	THE CHALLENGE OF CHANGE (continued)	The Loft
12.00 — 1.30 p.m.	Lunch — Question Period	The Iron Maiden Room
2.00 — 5.00 p.m.	Steam Train Ride up The Row River	Lv Station @ 2.00 p.m.
5.15 p.m.	Tour Train Museum	Museum
6.30 p.m.	Cocktails	The Loft
7.30 p.m.	Buffet Dinner	The Loft
	Don Hunter Talking Slide Show	

**SATURDAY, OCTOBER 5**

9.30 — 10.30 a.m.	Region 12 Business Meeting	The Loft
10.30 — 10.45 a.m.	Director James K. Balzhiser	
10.45 — 12.30 p.m.	Coffee Break	
12.30 p.m.	Region 12 Business Meeting (continued)	The Loft
2.00 — 3.15 p.m.	Lunch	
3.15 — 3.30 p.m.	HOW DO WE GET TO TOMORROW? C. Herbert Wheeler, Jr. and Thomas R. Hollenbach	The Loft
3.30 — 5.15 p.m.	Coffee Break	
6.30 p.m.	Cocktails	Map Room
7.30 p.m.	Awards Banquet	The Loft

**SUNDAY, OCTOBER 6**

10.00 a.m.	Region Committee and Chapter Presidents may reconvene	Board Room & Others
11.00 a.m.	Region 12 Business Meeting Reconvened (If Required)	The Loft
12.00 NOON	Head for Home!	

## dues renewal campaign fy 1975

The 1975 CSI Dues Renewal Campaign is under way with the goal of renewing a minimum of 90% of current members.

CSI President Robert E. Vansant, FCSI, in a letter to Chapter Presidents, pointed out that it is less expensive for everyone concerned — the member, the chapter, and the Institute — to renew a member than it is to obtain a new member. "In the renewed member," Vansant says, "we have a seasoned CSI member who can make an important contribution to the chapter and the Institute. With a greater renewal rate our growth will be more steady and logical."

Vansant continued by saying that "CSI needs to grow. It needs to grow to fulfill the demands being placed on it by the construction industry. It needs to grow more than anything else to fulfill the demands placed on it by its membership." The following awards and incentive program has been developed for this Dues Renewal Campaign:

### I Prizes

#### Dues Renewal Campaign for Chapter Only

- A 1st Place \$500
  - 2nd Place \$400
  - 3rd Place \$300
  - 4th Place \$200
  - 5th Place \$175
  - 6th through 10th Places \$125 each
  - B In addition to the prizes listed above each chapter that attains a renewal rate of 90% and over will be awarded \$100 as an incentive award
- Note:** A chapter with 90% or more renewal may qualify for just one award

### II General Rules

- A The campaign is to be conducted in one principal category — The Member Dues Renewal Campaign.
- B The "Institute" as hereinafter referred throughout these rules is defined as The Construction Specifications Institute, Inc., Suite 300, 1150 Seventeenth Street, N.W., Washington, D.C. 20036
- C All provisions of the Institute Bylaws apply.
- D CSI chapters are eligible to participate in the Dues Renewal Campaign provided:
  - 1. The chapter has been officially chartered not later than June 30, 1974, and

- 2. The chapter meets at least the minimum requirements as set forth in Article IX, Section 3 of the Bylaws
  - E. Member records, including all member classifications as of June 30, 1974, and as recorded by and at the Institute, are the basis for campaign competition calculations.
  - F. "Beginning Date" is the date specified for the beginning of the campaign as described in Section III of these rules.
  - G. "Closing Date" is the latest date entries may be postmarked to be eligible for the campaign competition as described elsewhere in these rules. Envelopes must be mailed via U.S. Postal Service first class, air mail, or priority mail.
  - H. "Received Date" is the latest date campaign competition entries must be physically received at the Institute. Received date is further defined as no later than 5:00 p.m. Washington, D.C. local time, Eastern Daylight Savings Time or Eastern Standard Time, whichever is in effect.
  - I. The President of the Institute will appoint judges to administer the campaign. All decisions of the judges regarding campaign procedures, rules and selection of winners are final.
  - J In case of ties, winners will be selected by drawing
  - K. Winning chapters of the competition will be notified by certified mail within forty-five (45) days following the competition closing date. The names of winning chapters will be published in the first issue of the CSI Newsletter following their notifications.
  - L. Special recognition of winning chapters will be made at the 1975 convention in New Orleans, Louisiana
- ### III Dues Renewal Campaign Rules
- A. The following dates apply
    - 1. Beginning date — upon receipt of these rules.
    - 2. Closing date — October 31, 1974.
    - 3. Received date — November 15, 1974.
  - B. Eligible award recipients are CSI Chapters that:
    - 1. Meet the qualifications as set forth in General Rule D1 and 2, and
    - 2. Succeed in renewing at least 90% of their members (Institute and chapter dues) for FY 1975 (July 1, 1974, through June 30, 1975).




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Re: Your School Job

Dear sur,

This letter is to let you no we ain't figguring on paying none of them liqada-teing damages on the job named rite after "re" on the top of this page. I figgured somethin like this woud happun wen we didnt get the thing done in the 1st place, wen it was suposto, so i wint their myself to see y not, and i dam sure did, an it ainnt our fault.

In the 1st place, them plans you gave us werent no good and you must of knoed it all the time because somebuddy in your office had to write a hole dam book to try to tell what shuld have been put on them plans in the 1st place. An this guy that wrote the book werent any better than the guy that rote the plans in the 1st place. This book was chuck full of stuf about a lot of dam crap probable some relitive of his was sellen and there wasnt anythin in the book about the stuf we used anyway. Then in the front of this book was a bunch of stuf looked like some loyer had stuck in their cause it was in real little print and looked like it was their to screw us.

Be sides all that, the man we sent up their to take care of our wurk and see that the job got bilt, said the man you sent up their slowed him down a lot and made him pore truck lode after truck lode of concreet in big holes arond the bilding that didn't help none and cost a hell of a lot more money than schuld have ben spent.

All this stuf caused so much troble I started to drink and carey on some and when i got their to se about it, it teed me off so bad i had to go on an a months drunk myself and you ought to be smart enouf to know that you cant get bildings bilt to fast when you got to be drunk all the time.

If you guys had any cents all you had to do was tell us what kind of bilding you wanted and how big and where to put it when we could have got it dun in about a month or so then this stuf wouldnt had come up and we could all make a wad a dough.

If this aint enough to get the damaged stoped let us know. We could start tellen some of the nasty stuf about mistakes in your plans which aint in accord with our ethices but we dont intend to let that stop us if it lookd like it will cost us any money. I remain.

Yours truly,  
Mr. Con-Tractor



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# the predicator

portland chapter



vol. 14, no. 3 construction specifications institute october, 1974

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membership renewals

C.S.I. annual membership dues statements have been mailed to all current members from the national office in Washington D.C. Annual dues were payable before July 1st, 1974. Membership to the Institute is \$70.00 per year; of this amount \$50.00 goes to the National Institute and \$20.00 is returned to the local chapter. Your membership entitles you to all monthly publications and programs during the year. The dues renewal campaign for fiscal year 1975 closes October 31st, 1974. We currently have paid up dues by 54 professional members, 73 industry members, and 1 junior member. Each chapter receiving a 90% renewal rate will receive \$100.00. Our Portland chapter is approaching this goal rapidly.

The listing of all unpaid members will appear in next months PREDICATOR (subject to space availability). I hope you will be among the guys with the white hats and pay up your membership now. I am sure all members this year will profit from membership and participation in our Portland Chapter.

KEN SEARL C.S.I.

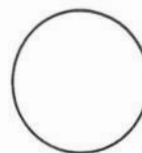
UPCOMING

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UPCOMING

## UPCOMING EVENTS (Mark Your Calendar) PORTLAND CHAPTER MEETING

Hold this circle to your face and blow on it. If it turns green call your physician. If it turns brown, see your dentist. If it turns purple, see your psychiatrist. If it turns red, see your banker. If it turns black, call your lawyer and make a will. If it remains the same color you are in



good health, and there is no reason on earth why you should not be at the next CSI meeting.

## october 8th meeting

POPE AND TALBOT MILL TOUR  
 KALAMA, WASHINGTON  
 (30 miles north of Vancouver)

Note: Those people attending tour to meet at Parking Lot in front of Main Entrance of Jantzen Beach Thunderbird at 5:15 p.m. Car pools will be formed to go the Kalama. Departure at 5:30 sharp!!

Mill Tour — 6:30 p.m.

Dinner to follow tour at:  
 Columbia Inn Restaurant — \$5.50

Reservations for tour and dinner to be in to Betty Shevlin by October 3rd

### c.s.i. region 12

Regional Conference  
 October 3rd through 6th  
 Village Green  
 Cottage Grove, Oregon

Theme: The Challenge of Change and How Do We Get To Tomorrow

### c.s.i. national convention

19th Annual Convention  
 June 23rd through 25th  
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## the purpose and use of flammability tests

reprinted from ASTM News January 1973

The primary function of small-scale flammability tests is to enable the synthesizer of the material to describe the material in terms of its response to a flame or radiant energy source. It is not a function of such tests to provide a basis for judging the fire safety of a proposed use of the material. Recently, the use of the results of such tests to suggest how an installation of the material will respond to fire exposure under use conditions has raised questions regarding the legitimate role of small-scale flammability tests.

The obligation of the producers of synthetic materials to define the properties of their products in meaningful terms confronts them with the task of generating a vocabulary capable of bridging the gap between the synthesizer, on the one hand, and the consumer or regulatory agency, on the other hand. Unfortunately, the effectiveness of the effort to bridge the gap through the use of information provided by small-scale tests is a factor of the degree of technical sophistication that exists at both ends of the communication process.

Because the meaning of a word is largely a matter of experience, it is extremely difficult to generate an effective vocabulary capable of describing the properties of materials accurately. At the heart of the description process is a unit of measurement which can only be provided by a test.

The most important organization through which such test methods are generated is ASTM. Its standards have for over 75 years facilitated the conversion of scientific knowledge into productive technology with a minimum of confusion and a maximum of efficiency.

The problem of assessing the hazard which the actual use of a material may create is substantially different from the problem of measuring and characterizing properties of a material. However, small-scale tests can give useful information on which a judgment can be made by experts regarding elements of the hazard analysis of a proposed use of a material. Therefore, building code regulations of plastics require full disclosure of the properties of plastic materials offered for use in buildings, principally in terms of ASTM standards.

Persons will not be misled regarding the proper role of small-scale tests of materials if they understand that it is the use of a material and not the material as such that affects the level of hazard in the area of use. It must also be clearly understood that there is no single small-scale test that will provide a basis for an accurate assessment of the possible hazard involved in a proposed use.

The key to fire hazard assessment is exposure of full-scale installations of a material to the kind of fire likely to develop in the occupancy in which the material is installed under use conditions.

Because effective communication between technologists and experts regarding the properties of materials is absolutely vital to research efforts and to the responsible marketing of materials, we should not deny to material manufacturers the right to define the properties of materials by means of small-scale tests even though the values obtained by such tests are occasionally misused to characterize the hazards involved in the use of such materials.

Until experience gives meaning to the terminology based on tests, the units of measurement provided by the test can only be understood by reference to the precise conditions of the test. Use of terms such as "slow-burning" or "self-extinguishing" to describe the response of a material to a flame in a context which suggests that the material will not create a fire hazard under use conditions can be dangerously misleading. We can preserve the utility of small-scale tests and avoid misleading persons not familiar with their limited utility only if conscientious restraint is exercised by all parties concerned in using the terminology which is based on such tests.



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**editors remarks**

HAPPENINGS

EVENTS

(BY YE OLD EDITOR)

DON WALTON

**changes**

and

**miscellaneous**

**information**

Rod Heestand, formerly with Al Disdero Lumber Co., is now associated with Continental Forest Products of Lake Oswego. His new position will be that of architectural sales. He can be reached at Continental Forest Products, P.O. Box 371, Lake Oswego, Oregon. Phone 636-7621.

Betty Shevlin, a recent transplant from the Los Angeles Chapter, reports sales for Rain-Guard Waterproofing Products are well beyond all sales projections and forecasts. We understand from the grapevine that she shows up at the job-site in hot pants and boots, and can beat any man up the ladder to the roof. Contact her at 646-0211 if you wish any further information.

Tom Shea of Madden Construction Supply, has been appointed to fill out the term of Rod Heestand. Tom will serve as an officer and director for fiscal year 74/75 and will be in charge of Awards Program.

**... addendum to  
the agreement for  
engineering services**

SPESERFACATIONS. Thanks to the Spokane Chapter and Larry Fisher

1. The work we want did is clearly showed on the attached plans and speserfacations. Our architek, whose had plenty of college, spent one hell of a lot of time when he drewed up these here plans and speserfacations. But nobody cannot think of everything! Once your bid is in, that's it, brother. From then on, anything wanted by our architek, of any of his friends, or anybody else (except the kontrakter) shall be considered as showed, speserfide, or emplide and shall be pervided by the kontrakter witout no expence to nobody, but hissself (meanin the kontraktor)

2. If the work is did without no extrypence to the kontrakter, then the work will be took down and did over again until the extrypence to the kontraktor is satisfactory to our architek.

3. Our Architek's plans is right as drawn. If sumthin is drawn wrong, it shall be discovered by the kontrakter, keredted and did right with no extrypence tous. It wont cut no ice with us or our architek if youpoint out any mistakes our architek has drawn. If you do, it will be one hell of a long time before you do any more work for us or him (meanin the architek).

4. The kontrakter is not sposed to make fun of our architek, his plans, or the kind of work we're haveing did. If he do, it's jest too bad for him (meanin the kontrakter).

5. Any kontrakter walkin around the job with a smile on his face is subject to the review of his bid.

6. If the Kontrakter don't find all our arcritek's mistakes before he bids this job, or if the kontrakter ain't got enough sense to know that our architek's goin to thikn up a bunch of new stuff that's just too bad for him (meanin the kontrakter).

7. The kontrakter gotta use all good stuff on this job — none of this crap from Japan.

**... from that great spec writer who,**

The best specification is of no use if it is not followed.

**new members**

As stated in last months PREDICATOR we said "Every man owes a portion of his time and money to the business or industry in which he is engaged and no man has a moral right to withhold his support from an organization which is striving to improve conditions within his sphere." With this thought in mind we present to you the new members of our Portland chapter

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Portland, Oregon

David E. Becker  
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Portland, Oregon

We wish to welcome abroad these new members and hope all the membership can welcome them at our next chapter meeting

If you are a new member to our chapter or have joined since June of this year please contact the editor so your name can be added to our new members column and your name placed on our PREDICATOR mailing list.

Persons wishing to join should contact Mr. Keith Schaber of The Flintkote Co., 4134 N. Michigan Avenue, Portland, Oregon. Phone 228-6411. I am sure your association and participation in our chapter will be richly rewarding. WELCOME ABOARD!

**... again from that great spec writer, who,**

Don't walk in front of me — I may not follow

Don't walk behind me — I may not lead  
Walk beside me — and just be my friend.



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## energy saving in building design of prime importance to architects

Practicing architects, concerned about the energy crisis, are taking measures to include energy and materials conservation in their project designs. This is one of the conclusions drawn from an informal survey of architects taken by the nationwide staff of professional architectural consultants in the Sweet's Division of McGraw-Hill Information Systems Company.

The consultants interviewed architects from 58 major architectural firms across the U.S. and found that the energy crisis has brought about serious re-evaluations of current building product selections in most cases. Areas of emphasis on energy conservation most frequently cited were in design of insulating systems, reduction of glass areas, more economical HVAC systems, and greater concern with efficiency of lighting and electrical systems.

When asked if they were re-evaluating previously used products and their competitors on energy-saving aspects, the majority said they were. Again, insulation, HVAC, glass usage and electricity were the major areas of concern.

About two-thirds of those queried indicated the need for more information on energy conserving products, and many said they needed not only more, but more detailed information. Information requested from manufacturers was technical energy conservation data on building systems, such as efficiency ratings, product performance data, and comparative analysis of available products. Additional information needed from government sources was local codes and restrictions, statistical codes, and reports from the Department of Ecology and Environmental Protection Agency.

The architects indicated that when faced with shortages of basic materials such as steel and aluminum, they would use alternative material choices which are immediately available. Reinforced concrete and heavy timber construction were the two alternatives most mentioned.

Another facet of the energy crisis which came to light as a result of the survey is the great interest shown by building owners in "life cycle costing." Many

owners now request their architects to figure costs not only for the construction process of the project, but also for the period of use after completion (about 40 years for the average building). As a result of life cycle costing, architects are becoming more aware of the need for efficiency, dependability and durability in the products and equipment they select.

"The energy crisis is said to be nearly over, but many of its effects in the waste prevention and conservation areas seem to be permanent," said Richard C. Crabtree, vice president-marketing for Sweet's. "Architects and building owners are no longer willing to settle for physical attributes alone in a building. Now it must look good, last long and operate at optimum efficiency."

"C. W. Griffin's book on energy conservation, which will be published by CSI in September 1974, recognizes the fundamental problem in any energy conservation effort as one of economics. Energy is the commodity to be conserved. Successful conservation in a competitive building market must consider the economic factors. Griffin discusses and analyzes strategies for economic incentives, life cycle costing, economies of energy-conscious architectural and mechanical design, energy-saving techniques (thermal insulation, glass, HVAC, automated controls, solar energy), and their application to specific building types.

## manual of gypsum veneer plaster

The Gypsum Association has announced the availability of its newest publication, "Manual of Gypsum Veneer Plaster." The 12-page brochure explains, in an easy-to-read fashion, what veneer plaster is, how it should be applied, and the various components used in this innovative system. On-the-job photographs as well as pictures of finished projects illustrate the recommended use of these thin coat, high strength, quickly applied systems which have been designed to retain the versatility, beauty, and durability of the long established plastering art. Topics covered include: veneer base, joint reinforcement, one and two component systems, hand and machine application, finishes, direct application to masonry surfaces, and radiant heat cable systems. Single copies of the "Manual of Gypsum Veneer Plaster" are available free of charge from the Gypsum Association, 1603 Orrington Avenue, Evanston, Illinois 60201. Bulk orders will be filled at 25¢ per copy plus postage and handling.

## bonding, insurance & professional liability problems

october 14-15, 1974

Allocation and management of certain major risks inherent in the design and construction process will be discussed at an Engineering Institute to be conducted by the University of Wisconsin-Extension in Madison on October 14-15.

Intended primarily for architectural and engineering professionals on the "Construction Team" — designers, contractors, and owners — the program will focus on current and recurring problems and offer advice on preventive measures for three major areas of concern. Bond of suretyship will be addressed in terms of the role of bonding companies and recurrent problems of performance and payment bonds, among other items. Liability insurance, including risk identification, exclusions, limits, and deductibles will also be discussed.

A major segment of the institute will be devoted to professional liability of architects and engineers, with emphasis on such issues as the nature and scope of the design professional's duties, including third-party liability; limitation of liability; indemnification and hold harmless clauses; and professional liability (errors/omissions) insurance.

### SUMMARY:

INSTITUTE: BONDING, INSURANCE, & PROFESSIONAL LIABILITY PROBLEMS

DATE: OCTOBER 14-15, 1974

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FEE: \$100.00

DIRECTOR ROBERT J. SMITH

University of Wisconsin-Extension

Engineering Department  
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Madison, WI 53706

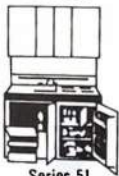
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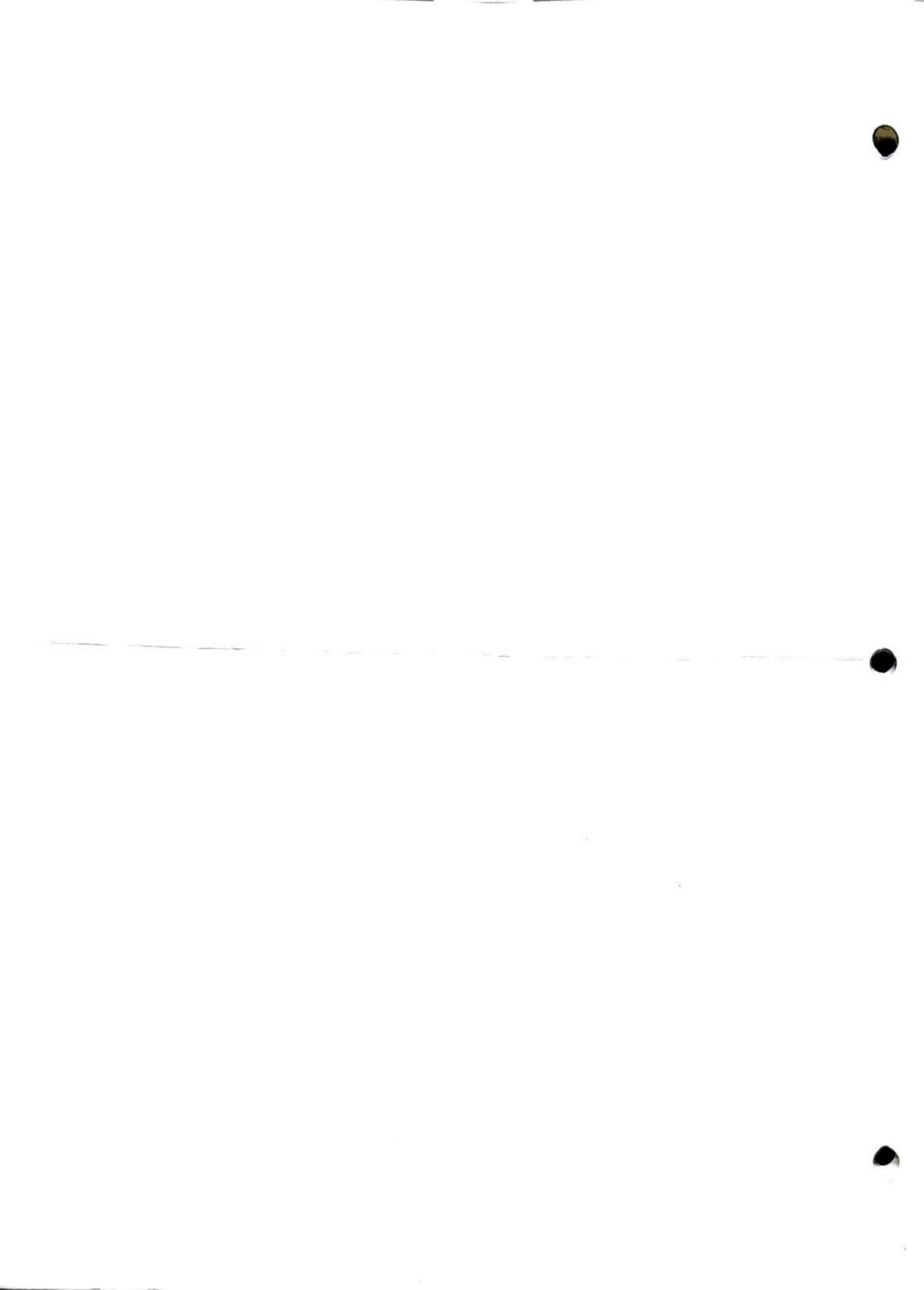
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## national institute of building sciences chartered

The House passed and sent to President Ford a compromise \$11.1 billion housing and community development Bill that, among other things, authorizes establishment of a National Institute of Building Sciences. This government-chartered private agency will help promulgate and evaluate building codes. President Ford is expected to sign the Bill into law.

In cooperation with the National Academy of Sciences-National Academy of Engineering-National Research Council, the new Institute will participate in activities leading to the development, promulgation, and maintenance of performance criteria, standards, and other technical provision for building codes and other regulations.

The Institute will have a Board of Directors representative of various segments of the building community, including representatives of the construction industry, construction labor organizations, product manufacturers, builders, housing management experts, and experts in building standards, codes and fire safety. Those representing the public interest on the Board will include architects, professional engineers, and members of consumer organizations.

A Consultative Council will also be established. Its membership will be made up of appropriate private trade, professional, and labor organizations; private and public agencies, and consumer groups. The Council will be used to form a direct line of communication between such groups and the Institute and serve as a vehicle for representative hearings on matters before the Institute.

## new booklet contains inspection procedures for sprayed fire protection materials

A new 12-page booklet containing detailed procedures for on-the-job inspection of spray applied structural fire protection materials has been published by the Sprayed Mineral Fiber Manufacturers Assn. Such materials are used to protect the structural steel members of

buildings from heating up and weakening in the event of a fire.

Two purposes are served by the tests. One is the measurement of the physical characteristics of the material. The other is to check on whether it is being properly applied.

For a free copy of the new publication, write Sprayed Mineral Fiber Manufacturers Assn., 1 Wall Street, New York, N.Y. 10005.

## naamm technical publications

The National Association of Architectural Metal Manufacturers announces that it has revised three of its technical publications and that they are now available for distribution.

The Metal Bar Grating Manual originally published in 1967 has been reviewed and such revisions as were needed to insure that all information is in accord with current practice were made. The purpose of the NAAMM Metal Bar Grating Manual is to provide architects and engineers with essential current technical data concerning bar gratings and stair treads of both steel and aluminum. The information it contains is based on sound engineering principles and reflects the practices recommended by the leading manufacturers in the industry who are all members of the Metal Bar Grating Division of NAAMM. All design information presented in the revised edition is in conformity with the OSHA Standards, Sub-part D, Walking, Working Surfaces, in Federal Register, Vol. 38, No. 172, Part II.

The Hollow Metal Manufacturers Association, a Division of NAAMM, has revised its brochure "Specifications for Custom Hollow Metal Doors and Frames — NAAMM Standard CHM 1-74" and its brochure "Fire-Rated Custom Metal Doors & Frames."

The Specifications provide an authoritative guide for the Architect in properly specifying custom hollow metal work such as doors, frames and related items. The "Fire-Rated Custom Metal Doors & Frames" brochure attempts to clarify the essential aspects of fire-rating procedures and regulations and their design implications.

For information on how to secure copies of the three revised publications write to the NAAMM, 1033 South Boulevard, Oak Park, Illinois 60302.

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## notes from the congressional record senate

Charles H. Percy, U.S. Senator from Illinois is maintaining a continuing interest in Public Law 92-582, which was passed in the last Congress, establishing in law procedures under which civil agencies procure A/E services. Basically all civil agencies are required to make public announcement of all A/E service.

A letter from F. J. Shafer, Director, U.S. General Accounting Office, to Senator Percy on May 9, 1974, succinctly explains the law

"The amendment provides that all requirements for A/E services be publicly announced. The method for announcing them varies according to the estimated fee for the required services

"When the A/E fee is expected to exceed \$10,000, the requirements must be publicized in the *Commerce Business Daily*. The announcement must be published far enough in advance of the due date to enable A/E firms to prepare and submit qualification and performance data to the procurement office. When the fee is expected to be \$10,000 or less, publication in the *Commerce Business Daily* is optional. When the estimated fee is \$10,000 or less and the agency does not advertise in the *Commerce Business Daily* the requirements must be announced in at least one daily newspaper circulated in the local area and publicly displayed at the procurement office.

"Each announcement must briefly state the project location, scope of required services, and where applicable, construction cost limitation, type of contract proposed, and estimated start and completion dates. The announcement also requests firms to furnish Form 251 (U.S. Government Architect Engineer Questionnaire), if one is not already on file, and advises that, following evaluation, three or more firms considered to be the most highly qualified will be chosen for interview."

Senator Percy's continued interest in these provisions is based on this belief that "public announcement is one of the surest ways by which we can guarantee that the selection of architects and engineers for public projects is not limited to a close clique."

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# the predicator

portland chapter



vol. 14, no. 3 construction specifications institute november, 1974

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UPCOMING

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**UPCOMING EVENTS  
(Mark Your Calendar)  
PORTLAND  
CHAPTER MEETING**

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 234-0655

Just returned from the regional conference held in Cottage Grove and I tell you people that missed it, you missed a great performance. Professor Herb Wheeler headed up a panel which included our own editor Doc Walton who gave an actual door as door prize at one of our chapter meetings. I have been very suspicious of door prizes. Never know whether to come to a meeting with my compact car or my large Travellal.

Elsewhere in this issue you will note the CSI Code of Ethics. Please read and study them. These are very important to members of CSI but item No. 4 is a tough one to live up to and I venture to say to all persons directly involved in specification writing. We all try to write specifications as clear as possible but even then we have trouble. One specification I thought was perfectly clear but when arriving on job site found subcontractor doing it wrong. I asked him weren't the specifications clear. He replied yes, they were clear but they always did it that way in his area. One sneaky conclusion entered my mind, that perhaps if the specification had been unclear would he have called for a clarification before going ahead in his normal manner. I guess the point I am trying to make here is that specifications should be very clear and concise and then hope the installer will follow what was specified.

Another thing I want to discuss is our membership drive for our chapter. We are nearing our last year membership of approximately 162, but let's not stop yet. There are still lots of prospective members out there — all we have to do is locate and sign them up.

### november 12th meeting

"UNIFORM BUILDING CODES AND MODIFICATIONS AS ADOPTED BY THE STATE OF OREGON"

Speakers: Al Clerc, Portland Building Official  
 Del Newton, Multnomah County Building Official  
 Walter Friday, State of Oregon  
 Jerry Hoard, State Code Specialist

Place: Park Haviland Hotel  
 Time: 5:30 Cocktails  
 6:30 Dinner  
 7:30 Meeting

### december 10th meeting

"Price Increases and Shortages in Construction Materials"

"Uniform Building Codes and Modifications as Adopted By the State Of Oregon"

Panel of 15 C.S.I. Members — Each with five minute time spot.  
 Note: Contact Marge Largent if you wish to participate in this timely program. Make known your product and needs for better communication.

### c.s.i. national convention

19th Annual Convention  
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## workshop on: "evaluation of products and methods:

### concrete"

Report By J. Richard Fare

The speaker was Mr. Christiency Pickett, Jr., CSI, Structural Engineer, and Associated with the Portland Cement Association.

Mr. Prickett's approach to concrete was along two lines. The first one was "How does concrete fit in with the convention theme?" or Let's Talk about Conservation in Construction, and, second, "What's New in the Cement Bag?"

#### Conservation in Construction:

It takes 3000 B.T.U.'s of heat and electrical energy to manufacture one pound of cement, and in the near future, Japan, will have developed a new process which will reduce the amount of B.T.U.'s by 75 percent!! The United States alone, in the past year, produced enough cement to build a six-foot wide by four-inch thick concrete sidewalk to the moon and back. Now, that's a lot of B.T.U.'s!! But, don't be alarmed, we are not running out of the basic materials. Concrete is made from some of the most basic of mother nature's materials, such as oyster shells, and mother nature is manufacturing it faster than we can use it up. It is one of the few self-renewing resources that we have.

Let's put energy use of cement production into its proper perspective, to get an idea of its real significance. It's a pretty well established fact that the production of all building materials, including cement, steel, wood and aluminum used about five percent of all the energy consumed in the United States in the last year. Now contrast this with the operating, heating, cooling and lighting of commercial and residential buildings which took thirty-four percent of last year's energy use. Again, look at transportation, it took twenty-five percent of the energy use, with the personal automobile burning up thirteen percent all by itself! The rest of the energy used was in manufacturing and other miscellaneous uses. Five percent! Now, ask yourself, where is the best place to save energy?

Here are some concrete facts about where to save energy in the construction field:

1. Specify Hi-strength materials. It takes less pounds of 60 grade rebars to do the same job as 40.
2. Use Hi-strength concrete. You can now get up to 10,000 p.s.i. concrete.
3. Use "Ultimate Strength Design" in your structural design in lieu of "Working Stress Design." We have wasted untold tons of steel and concrete in the construction of buildings and other structures under the false assumption that "working stress" is "safer."
4. Concrete and concrete masonry takes advantage of thermodynamic response. That is, the massive wall receives and stores heat during hot periods and releases it slowly during cool periods thus cutting the peaks and valleys of the temperature variation and thus cuts down on the energy demand of the heating and cooling system.

#### Now, Let's Look at What's New in Concrete:

The Portland Cement Association has been doing research in new admixtures which will soon make possible concrete strengths up to 12,000 p.s.i.

Concrete is being used in boats. It is lighter in weight than wood or steel when used in boats longer than forty-feet. Floating oil storage tanks are being used off the Coast of Norway and England is developing a combination oil storage tank and "Texas Tower," using prestressed concrete for oil drilling platforms in the North Sea.

Concrete, along with still being the best material for foundations, walls, fences and other time tested uses, is now being considered one of the leading versatile materials of the future.



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# the challenge of change or how do we get to tomorrow

By Walter F. Bishop

Mr. Herb Wheeler of Penn State was the featured speaker and moderator for this thought provoking program. He was assisted by a panel of experts who represented four major interests in construction: Walter Bishop — the owner, John Amundson — the architect, Don Walton — the manufacturer and Jim Crutcher — the contractor.

Another panel of experts existed in the audience as Mr. Wheeler encouraged them to speak out and they did. The distinguished Mr. Wheeler takes delight in and has an excellent talent for involving the entire audience in his presentation. This includes soliciting joke telling from the audience to spice up and wake up the audience. The jokes were all in good taste or at least tactfully presented and revealed that good old joke telling is certainly not a lost art. That may be the only thing that has not changed and the only way we will be able to meet the challenges of tomorrow.

The program was presented in two major parts. Friday mornings program was devoted to identifying problems and hopefully on Saturday afternoon the panel and the audience would provide solutions to the problems.

Mr. Wheeler, in his introduction of the program, cited some ground rules for the speakers and audience to follow. He noted "change is the name of the game," "ability to change and understand change is important," "what are changes doing to us in our practice and operations," "we all resist change," "what do changes facing designer have to do with constructor - manufacturer - owner - and vice versa."

The four panelists and Mr. Wheeler identified about 30 problems. These thirty items can be grouped into seven major classifications being (1) money, (2) labor, (3) materials and resources, (4) complexity of construction, (5) tools and skills we use, (6) codes and regulations and (7) owner-consumer.

Money related problems include reduced availability of construction money, inflation of material and labor costs, changes in financing methods, increased interest rates, reduced return on investment, redundant costs (such as double bonding), delays in cash flow, and establishing cost accountability with new construction methods.

Tools and skills problems cited were that documents and tools are behind the times, communication and greater team effort is lacking, obsolete methodology of industry and management, tendency to oversell professional skills, proliferation of information and lack of ability to assimilate vast information, change in methods of bidding are to slow.

Owner consumer related problems cited were that character or owners has changed, change in consumer attitude (Nadar effect), more demand for predictable performance, inability or unwillingness of owners to establish realistic budget, owners reluctance to adapt to changes in construction process.

And then there was the drunk on skid road who was approached by a California panhandler who said "Hey buddy, you want to buy some pornographic records?" The drunk responded "I'd sure like to fella, but I don't have a pornograph."

And in fact, the problems and changes noted sounded like broken records, that go round and round and round. There were, however, some problems and changes that obviously are and will continue to cause severe stress on all of us in the construction industry.

Material shortages, dwindling natural resources and energy conservation pose severe current problems and unpredictable future changes. The speakers and audience speculated on the impact of these problems but did not seem to grasp or come to grips with the severity of conditions. John Amundson presented an interesting speculation relative to blueprint paper. He wondered how we would build a building if blueprint paper was in such short supply we couldn't reproduce all the necessary sets of drawings. He suggested that a microfilm drawing system might become mandatory under such conditions.

Jim Crutcher noted that we need improved communications at the outset of a project. The contractor should be involved at the beginning to provide information on construction cost and building methods. Construction management and Fast Track methods begin to accomplish this. He urged that the team should insist on a realistic budget from the owner at outset of a project and the team should have the latitude and ability to be flexible during the design construct process.

Don Walton urged involvement of the supplier specialist as a consultant during the design process. With current questionable material delivery problems this becomes more important to insure the designer that the material specified will in fact be available when needed. Manufacturers are discontinuing many product lines and consolidating their inventory so the designer must keep constantly aware of these product line changes.

John Amundson noted that under the team concept each team member must have his role and responsibility defined at project beginning. Team members must be willing to honestly face the design and construct issues and freely exchange information. There needs to be flexibility in contractual agreements between all parties. He would like to see a revamping of current legislation to allow public authorities to use the new construction methods. Design firms must identify strengths and weaknesses, avoid areas of incompetence and develop around their strengths.

Walter Bishop reviewed GSA experience with Construction Management in construction of the U.S. Pavilion at Expo '74. GSA received authority to proceed with the project in January 1973 at an estimated construction cost of 4.5 million dollars. The building was occupied starting in mid March of 1974 and completed for the fair opening on May 4, 1974. He cited problems of cost control, computerized scheduling, contracting and advertising procedures. GSA has reviewed the results of this Construction Management project and others throughout the country and is making procedure changes which will effect better results from the Construction Management process.

Mr. Wheeler had consulted with the panel between meetings and they had all hoped the meeting session on Saturday would provide some conclusions and direction to the attendees. On Saturday, the panel and audience seemed to be left floundering in a maze of problems and changes without a glimmer of any solutions. It was then that John Amundson urged that a few selected CSI members from the panel and audience form a Region 12 CSI Task Force. This group would take the meetings proceedings (the tapes), transcribe the information and try to identify specific problems. They would then proceed to develop a solution for each specific problem.

Herb Wheeler conducted the program in an artful manner demonstrating his ability to obtain total involvement of the panel and the audience.

## editors remarks

### HAPPENINGS

### EVENTS

(BY YE OLD EDITOR)  
DON WALTON

## code of ethics

## how do you measure up???

1 Each member shall discharge his duties and responsibilities to his clients or employers in such a manner as to inspire respect and confidence.

2 Each member shall cooperate in extending the effectiveness of the profession and the Institute by the interchange of information and experience with his fellow members as the opportunity presents itself

3 Each member shall endeavor to write specifications which will permit and encourage fair and equitable competition

4 Each member shall endeavor to write specifications that are thorough, clear and concise, and refrain from the use of loose, ambiguous or unenforceable, unfair requirements

5 Each member shall specify materials, equipment, services and construction methods only on merit, without consideration for or expectation of personal gain or favor other than from his employer or his client

6 Each member shall refrain from disclosing the interest or business affairs of any client or employer without his knowledge and consent.

7 Each member shall uphold the principle of appropriate and adequate compensation to those engaged in specification writing and refuse to knowingly compete on basis of compensation

8. Industry members shall pledge themselves never to misrepresent their products in any manner, either as to composition, quality or use, and to assist their fellow member in maintaining the high standards of service set forth in this Code of Ethics

## who is counting on you?

by Marvin Martin of the Knoxville, Tennessee Chapter

It is difficult to recognize when, or even if, someone is counting on you. We can only guess that somewhere some one is depending upon you to provide leadership for better specifications. It may be for no other reason except that you are member of CSI, and because you are a member of CSI, and because you are, someone feels that they can count on you. Maybe you don't have a special responsibility just because you belong to CSI... but some people think you do. Instead of asking, "But what can I do?" look at what some people are counting on you to do.

I was attempting recently to explain the merits of narrow scope sections and the 3-part Section Format to an Engineer in another city. He was aware of the U C I, and the specification procedures recommended by CSI, but had not fully recognized their merits, at least not enough to change his present specifications. "If this format has so much to offer," he asked, "why hasn't anyone using my specifications recommended such a change?" Even the manufacturer's representatives, he argued, are constantly telling me what I'm doing wrong in matters of product selection, yet they have never even suggested that a change in specification format would be helpful to them. Wouldn't it be helpful to you to find mechanical insulation specified as a separate entity, perhaps using the fixed section numbering of the U C I rather than just someplace within Division 15? You have indicated to me that it definitely is an improvement, but have you suggested such a change to any mechanical engineers? In this instance, at least, an engineer was counting on someone like you.

About that same time, I was talking with a manufacturer's representative who is an active member of his CSI Chapter. Since good specifications are so important to him, he was disturbed by the somewhat lackadaisical attitude toward specifications as expressed by many of the architects with whom he worked.

This particular representative encounters both good and bad specifications throughout the territory he travels and is in a position to bring the best specification practices throughout that territory to every other architect. He is especially pleased with the advantages of the 3-part Section Format, yet he more-than-likely hasn't mentioned it to another architect. It makes one wonder if some architect has been counting on him.

What should be the relationship between the manufacturer's representative, or any CSI Industry member, and the specifier? Forget the "Professional nomenclature of membership classification, the "Industry" member is a professional, too. It is going to take all of us to achieve better specifications. You keep asking, "But what Can I do?" *You can do plenty and someone may be counting on you to do exactly that.*

## october 8th meeting report

Our October 8th meeting was attended by 33 members and wives. The program started with car caravans to Kalama to tour the Pope & Talbot Plywood Plant. Upon arrival we were greeted by our hosts and tour guides, Cal Cox, Sales Manager; John Postman, Marketing Manager Plywood Division and Curtis Tonole, Sales Representative Disdero Lumber Company was the sponsor for the program. Their representatives were Al Disdero, Bob Boghorst, Mike Wells and Bud Pallviny. Those present were able to follow the process from the time a log is received through to the end product. Various types of plywood products were being produced at this time.

Following the tour and after our dinner program we heard John Postman discuss various problems which could occur due to poor application and finishing. Some of the points discussed were delamination, moisture sealing, expansion, control of expansion, finishing and workmanship.

I am sure all who attended had a very enjoyable and informative program presented to them. With informative programs like this I am sure we will see many more people at our next meeting. See you November 12!

Overheard "How unlucky can you get? I took a girl up to my apartment to see my etchings — and she bought four!"

## proper conduct of a spec writer when speaking to salesman

Since there is always the possibility that a salesman may drop in accidentally, the alert spec writer would do well to be prepared for just such an emergency

He should be nearly dressed, shoes shined and nails carefully manicured. His socks should match and be of the same color as his necktie. Salesmen notice little things like that

If the spec writer has been drinking — and who could really blame him? — he should be careful to conceal any evidence of it, as nothing is more distasteful to a salesman than to do business with a spec writer who uses intoxicants.

If the spec writer does not already have a full-time receptionist, he should by all means hire one. One with experience in modeling is best, or a recently retired beauty contest winner — the more recent and less retiring the better. She should personally escort the salesman into the office and see that he is made comfortable.

The spec writer's next move is of great importance — the approach. He should be casual in manner, not over anxious. He need not remain on his knees during the entire interview.

He should be careful in choosing his opening remarks. If the salesman is of the cultural type, as most of them are, the conversation should be kept at a high level. Avoid all profanity. Any allusion to sex is sure to offend, and if you have heard any "good ones" lately best keep them to yourself.

It might be well if the spec writer encourages the salesman to talk about his favorite diversion, and he should maintain a smiling interest if the salesman chooses to indulge in a forty-five minute monologue on his golf game or his butterfly collection.

Even after this, approach should not be too crudely directed. He might invite the salesman out to a steak dinner, with the hopes of sneaking in a subtle business inquiry between courses.

If the salesman accepts the invitation, the approach has been good, and the spec writer will be thrilled by a fine sense of accomplishment.

Reprinted from the Addendum

## professional viewpoint

by Charles E. McGuire, CSI  
taken from the L A Chapter newsletter  
who got it from the Indianapolis Chapter

Communications between industry and professional, that is, selling architectural products to architects, is the name of the game — *raison d'être* of the manufacturer's representative. About 60% of a project specification comes off the shelf — from your catalogs. Updating these, promoting your products for projects on the boards, brings you to the professional's office. Now, who do you contact? This seems such a basic thing, and it is in the smaller offices, but, in the large office the "table of organization" should be respected. There are some who start at the top, with the first name on the door, and by the time he ends up with the specifications writer, he feels he has practically struck out — and usually he has!

The principals, or partners, are vitally interested in the total project design, and still interested in new products, since they are often involved with selection of critical materials. But because of administrative demands on their time they find themselves farther and farther from the routine decisions and listening to your glowing description of exciting new products. The project architects who manage the production of each project might need particular detailed information, so your expertise would be directed to him when requested. The specifier is in touch with all of the projects in the office, so he should be your first contact or general or particular product promotion and catalog updating. These catalogs represent the manufacturers' direct line of communication with the professional offices, since they are an immediate reference source.

Product evaluation through catalog comparison is often difficult because of different criteria and test, or no criteria at all. CSI has attempted to rectify this by the SPEC-DATA program in which an organized source of information is made available to the specifier to simplify comparison and selection. I like the idea, and try to use it when possible for product evaluation, comparison, and technical data. But, products of our local representatives and sources are poorly represented in this program. In my attempts to use SPEC-DATA, too often one of the products I want to check on or compare is not included. So, I strongly recommend that you prompt your manufacturer to investigate SPEC-DATA and get your product included where I would like to make my educated selection.

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## firm must be shown how to avoid safety violation (oshrc)

The Occupational Safety and Health Review Commission has put a major stumbling block in the way of OSHA by ruling that when a citation is issued for a job safety violation, OSHA must specify what corrective action the cited firm should have employed to prevent the injury or fatality that actually occurred.

The case on which the OSHRC decision is based involved an OSHA citation against a Montana trucking firm. Company workers were cleaning up a train wreck when a cable snapped from under a tractor tread, resulting in a worker fatality. OSHA charged the firm with violating the general duty provision of the Occupational Safety and Health Act by not providing its employees with a safe place to work. OSHA claimed that the company had not taken adequate precautionary measures to insure that no employee would be near the wire rope cable. The firm contested the OSHA citation.

After evaluating details of the case, a Review Commission judge decided that the trucking firm had provided "a place of employment" within the meaning of the general duty clause of the job safety law. However, he noted that OSHA failed to establish a general duty violation because it did not spell out to the firm what specific measures should have been employed to avoid the fatality and failed to point out "the feasibility and likely utility of any such measure." OSHRC affirmed the decision, and the charge was dismissed. (OSHRD Docket No. 2701)

## punch list procedures officially endorsed

ASA's Board of Directors approved the draft of "Recommended Punch List Procedures" developed by the AGC-ASA-ASC Joint Cooperative Committee. They officially endorsed its adoption throughout the construction industry. The recommended procedures, designed to assure owners and architects that all work is completed on a timely basis and in accordance with the contract requirements, prevent the issue of multiple punch lists to subcontractors. Subcontractors are provided with the incentive to perform their work correctly and expeditiously before leaving the jobsite.

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portland chapter



vol. 14, no. 5 construction specifications institute december, 1974

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Chapter Affairs	Betty Shevlin	246-1790
Education	Al Beard	224-9656

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## to Your Leader

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December 1974  
This month ye olde president decided to discuss the relation between drawings and specifications (borrowed in part from CSI Memphis Chapter). You will note that neither one can very well stand alone, together they delineate the form of construction and standard of performance required in the construction of the project.

**Drawings:** Drawings are a graphic means of showing work to be done. They are particularly suited to showing where materials are located, thus drawings exist essentially to show size, location, and placement. Having been brought into being for that purpose, drawings become a convenient media for other information. To clarify, for example, the material with which a wall is constructed, the draftsman will add the word brick or stone. Such identification is necessary, but the practice leads to the inclusion of more comprehensive notes that often would be better placed in the written specification.

The question of what belongs on drawings and what belongs in the specifications is becoming clouded by new reproduction techniques that enable the economical printing of specification requirements on drawing sheets. Although not all architects and engineers favor this technique, the system does have the advantage of placing both the graphic and verbal requirements on sheets that will be kept and used at the project site. The same cannot always be said of written books of specifications.

cont. pg. 2

UPCOMING

UPCOMING

UPCOMING

## UPCOMING EVENTS (Mark Your Calendar) PORTLAND CHAPTER MEETING

### december 10th meeting

MATERIAL SHORTAGES, REAL OR  
ERSATZ

Our program for December 10th meeting will discuss material shortages in detail with panel members in groups for the following CSI divisions.

- Division 3 — Concrete
- Division 4 — Masonry
- Division 5 — Metals
- Division 6 — Wood and Plastics
- Division 7 — Thermal and Moisture Protection
- Division 8 — Doors and Windows
- Division 9 — Finishes
- Division 15 — Mechanical
- Division 16 — Electrical

There will be two or more panel members covering subjects of the above-listed CSI divisions. Each panel member will present six to seven minutes of general information, followed by three to four minutes of questions and answer period.

Presentations will cover the following format:

1. SHORTAGES PRESENT
2. SHORTAGES FUTURE
3. CAUSE OF SHORTAGES
4. CORRECTIVE MEASURES


Your attendance will be justly rewarded

Place: VIPS Restaurant  
Location: I-5 South, turn off on Lake Oswego exit, you're there! da, da!  
Social Hour: 5:30 p.m.  
Dinner: 6:30 p.m. — \$4 25  
Meeting: 7:30 p.m.


Come to meeting even if you can't attend the dinner

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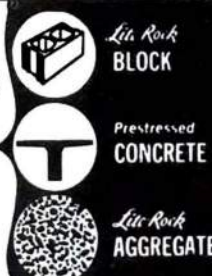
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president's column from pg. 1

**Specifications:**

Specifications are particularly suited to thorough description of materials and construction techniques. They enable the drawings to remain essentially uncluttered. It is generally necessary to identify on the drawings, through symbol or brief name, the materials shown. However, it would serve no great purpose to list on the drawings physical requirements of the material, the samples and shop drawings required for approval, the guarantee provisions, or numerous similar requirements. Some of these matters will be long settled by the time the materials are to be installed at the site. Yet, to ensure perfect understanding of the contract requirements, these matters must be described somewhere. The specifications are the logical vehicle for communication.

**Summary:**

Both drawings and specifications have been found necessary as practicable means of conveying instructions governing the building of a construction project. The drawings and specifications are complementary; they should not both contain detailed information about a single item. Duplication of information is one of the principal problems that can be eliminated only by careful efforts at coordination.

A few bidders tend to rely on either the drawings alone or the specifications alone. This is a mistake on the part of the user.

Drawings contain information that is best shown graphically; E.G., locations, dimensions, positional relationships. Specifications contain information that is best conveyed verbally; E.G., physical properties of materials, guarantee requirements, installation methods. Some one document, customarily the agreement, is used to establish the extent of the project by listing the number of drawings and identifying the specifications.

Precedence of documents is often established by a statement (perhaps in the general conditions) that the specification (or drawings) shall govern in event of duplication or conflict. This solution appears to be expedient, but not wholly satisfactory. Yet, lacking a per-

fectly coordinated set of drawings and specifications, the alternatives seem to be no more (nor less) satisfactory.

The need for consistent nomenclature between drawings and specifications in the same set is widely recognized.

Drawings and specifications are used jointly to inform the contractor (and, earlier, the bidder) what is required to construct the complete project. The basic purpose of both is to provide communications.


**university of wisconsin short course**

The University of Wisconsin-Extension will conduct a six day short course on **A SYSTEMATIC APPROACH TO BUILDING MATERIAL EVALUATION AND SELECTION**. This course is scheduled for February 10-15, 1975 on the Madison Campus of the University of Wisconsin.

Impacts from a rapidly changing construction environment have brought about an era of legal problems in the design and construction industry. It appears that the designer and specifier are becoming more accountable for building performance than ever before in construction history. To cope with these increased responsibilities requires that the material researcher and selector have greater knowledge and experience in building material performance. Major steps toward achieving high level performance of building materials will be systematically presented for critical building materials and products commonly found specified in the Construction Specifications Institute's Specification Divisions 2-9. The procedures and techniques used in a systematic building material selection process will be identified in an effort to improve the total performance of all building components.

Fee for the short course is \$300.00. Request for additional information should be directed to Philip M. Bennett, Program Director, University of Wisconsin-Extension Department of Engineering, 432 North Lake Street, Madison, Wisconsin 53706 Telephone (608) 262-2061.

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Member F.D.I.C.



We have attempted to report to the membership the information, results etc on the Board of Directors monthly meetings. Unfortunately we were limited in space and were unable to accomplish this task. Following are notes from the September and October meetings

Portland Chapter C S I. Board of Directors Meeting — AIA, CSI OFFICE 26 Sept 74

**Present:**

Ken Searl	Tom Shea
Dick Ehmann	Lee Kilbourn
Betty Shevlin	Verne Brice
Marge Largent	Larry Arnold

**Committee Reports:**

1. **PRODUCTS FAIR** — Larry Arnold & Betty Shevlin — Proceeding with plans and details for Feb - Mar.

2. **TREASURER REPORT:**

Balance on hand — checking	
.....	\$1633 59
Balance on hand — savings	
.....	\$ 517 90
Accounts Receivable.....	\$ 632 50
Accounts Payable.....	\$ 91 70
Total.....	\$2875.69

3. **UPCOMING MEETING** — Marge Largent — Oct. 8th tour of Pope & Talbot  
 Nov. — Building Codes — Building Officials Al Clerc, Del Newton etc  
 Dec — Price Availability etc. Dick Ehmann in charge.

4. **CHAPTER AFFAIRS** — Betty Shevlin  
 Badges..... +\$30 00  
 Plastic 250 @ 83¢ ea. W/Clip +  
 20 00 Set Up..... \$141 10  
 Cloth 1500 @ 105¢ ea \$157 50  
 TOTAL COST..... \$328 60

5. **AWARDS:** Tom Shea — Quiet Report

6. **PRESIDENTS REPORT:** Ken Searl  
 — Upcoming Region 12 Conference  
 — Program Revisions.

7. **SPECIFICATION BOOK INDEXES:** Lee Kilbourn — Sold 3, available at CSI office

MEETING ADJOURNED 1 00 P M

Portland Chapter C S I. Board of Directors Meeting — AIA, C S I OFFICE 17 Oct 74

**Present:**

Ken Searl	Tom Shea
Lee Kilbourn	Marge Largent
Verne Brice	Larry Arnold
Dexter Walter	

**Committee Reports:**

1. **PRODUCTS FAIR** — Arnold — meeting with Shaper Representation of 16 Divisions — in 8'x8' booths — not limited to Table-top-plus craft booths (1 of a kind). try for week end of 2/7/74 or 2/14/74.

2. **TREASURER REPORT** — Walter Balancing of 73-74 books complete 1/74 bal \$1151 19 10 74 bal in checking acct + \$1500 00 plus \$500 00 in savings. Discussion re: putting more in savings. Treasurer has authority to do so without board action.  
 ± \$800 00 due from C S I. Nat'l. income due from Predicator ads — which nearly balance costs of printing ("Roster" discussed — great amount of cost of 73-74 cost of Predicator)

3. **PROGRAMS** — Largent. Nov. — uniform B code as adopted by State of Oregon 4 panelists. 2 from State, Al Clerc & Del Newton.  
 Dec program — price increases & shortages 15 CSI member panelists-Jan. committed Via Ehmann  
 Feb. Joint with Producers Council Largent contacted P.C. program Chairman suggested "Metric" change-over as joint venture. good response Meeting date Monday 2-24-74 Ramada Inn Discussion at board meeting indicating a continued effort on CSI part to push joint program — even contact Larry Brown as P.R. man of P.C.

4. **CHAPTER AFFAIRS** — Absent: no report Shevlin stopping a leak in Estacada Discussion on to try "Todds" as next feeding place (Dec. meeting) and Sperl asked Largent to contact Shevlin and set up a date to check it out.


5. **MEMBERSHIP** — ourn: unlikely to make the 90% renewal figure. Of 84 likely, 18 not renewable. We have 131 of 181 old members.

6. **MEETING ATTENDANCE** — No report Discussion at dinner meeting — pro & con — Regional Director had strongly recommended that we try it. We have calling committee Hosted Social hour.


7. **PRESIDENTS REPORT:** Searl  
 a. telephone committee help needed  
 b. educational and technical committee inactivity discussed — recommended re assignments if necessary to get something going.

MEETING ADJOURNED 1 00 P M

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**b./e. roster**

We have just received information from Ron Mohr, Vice President and Roster Chairman, for Builders Exchange Cooperation that the new membership Roster is now available

The Roster includes *Part #1* Gives member's names, addresses, phone number and types of products they represent. *Part #2* Covers classification of companies and products based on C S I format. *Part #3* Covers A & E Firms, Government Agencies etc who have placed work on file in the exchange

The Roster is available at a cost of \$2 00 each. Contact Ron Mohr if you care to take advantage of this offer.

## editors remarks

### HAPPENINGS

### EVENTS

(BY YE OLD EDITOR)  
DON WALTON

As your new editor for the PREDICATOR, I am receiving more and more letters, comments and support, as each month passes.

As stated in a previous issue I welcome your input and comments. We will attempt to publish information on new products, procedures, organizations and personnel changes along with editorial comments

Following is an article on membership classification which I pass along at this most opportune time. Your additional comments and support are solicited

Ed.

## viva la difference

The October CSI Newsletter listed the results of the single membership referendum ballot. It was a disappointment to see that more than half the members did not care enough to return their ballot. Professional members voted 3 to 2 against the proposal and Industry members voted 5 to 2 in favor of the proposal. Since 3000 Industry people voted, as against 2000 Professional members, the result of the ballot was 2719 for and 2083 against the proposal. While this is technically an endorsement, it was hardly a mandate and only serves to point up the confusion of many members over the background of the problem and the overall aims of the Institute.

Through the years the intent has been that all those who are in a position to benefit financially or otherwise from written specifications are Industry members. All others who cease to benefit from the use or enforcement of specifications after they have been used as bidding documents are Professional members. In other words, one must be personally and professionally responsible in the writing of a specification for a total

structure or be directly employed by such a person, in order to be classified as a Professional member. One would be an Industry member if he would be selling some material and recommending specifications for which either he or his employer would obtain remuneration after the project had been bid. In other words, his portion of the specifications would cause some material to be purchased for the project and either he or his employer would benefit from this sale whereas the ethical professional specification writer obtains no remuneration for a specification after it has been part of a set of bid documents. From that point on the Professional member only enforces complete compliance by the Owner and the Contractor with the provisions for the total package of construction documents which include the specifications.

Therein lies the crux of the matter. This has been the criteria for membership classification for many years and is the cornerstone of our horizontally structured Professional/Technical society.

As we all know, a manufacturer or distributor cannot buy a "company membership" in our Institute. We are not interested in large groups of bodies, but rather in joining with the best heads in the business so we can all benefit from the mass of knowledge this makes available. At the same time we cannot allow the stature and voice of the Institute to be in any way diminished by the hint or actual fact of our becoming a trade-oriented organization. If this should happen, everything done or said by the Institute would be suspect. Everything we did — every study — even every meeting would be looked at with critical disfavor to attempt to find the commercial motivation behind what we did. All our work thru the years to attain our current position of strength and respect would be wasted and could never be regained.

It is time, once and for all, to stop using or giving credit to the ridiculous catchphrase "second class citizens" that is fastened onto our Industry friends. Nor should the status be over-simplified to "separate but equal," even tho superficially true. Rather, we are working together, both Industry and Professional members, with similar interests toward common goals established in the Articles of Incorporation of the Institute.

To quote from a recent letter that I received from an Institute member, "CSI has gained a position in the industry as a result of its present composition. Inherent in that reputation is the function of each element, coordinated and led by the professional (the specification

writer), who is the generalist, and has been able to tie all the elements (designer, supplier, builder) together. No other element can perform that function, due to their understandably less broad interest in, and knowledge of, the construction process. Our founders recognized this, and provided the basis for our strength and growth."

We will always need *both* categories of membership as described in the criteria which was evolved thru the years by the interest and dedicated labor of all members of CSI.

When the time comes to vote on this matter, let's show that we acknowledge and are justly proud of our differences as well as our similarities.

Richard C. Ehmann F C S I

## january 14th meeting

The January meeting is a logical outgrowth of information obtained in the December meeting concerning shortages, delays and other obfuscations of our time. Subject matter will deal with methods of circumventing our current difficulties by the use of substitute materials and methods, and in some cases by a complete re-think of the situation. A knowledgeable panel will lead the discussion. Look for their names in the next issue of the PREDICATOR.

## ATTENDANCE

November 12th meeting on Uniform Building Codes and Modifications as adopted by the State of Oregon

Professional Members	20
Industry	16
Guests	11
Total	47

## DID YOU SIGN FOR THIS MEETING?

Are you planning to attend the December 10th meeting? if so, call Keith Schaber 228-6411 and let him know so dinner and room reservations can be made.

## architectural position

The firm of Rudat-Boutwell and Partners, 821 N W Flanders, (224-9656) have a position available for a specification writer. Those interested are asked to submit resume and employment history.

## sound control systems approved

The membership of the International Conference of Building Officials has given additional acceptance and recognition to the 1973-74 Edition of the Fire Resistance and Sound Control Design Manual published by the Gypsum Association. At their 52nd Annual Business Meeting just held in Ft. Worth, the I C B O Membership added a reference to the Manual in their Uniform Building Code, accepting its use for sound control systems. Prior approval for fire resistive systems had been given at the 50th Annual Business Meeting. The approval will be included in the 1975 Supplement to the Uniform Building Code to be published in January 1975.

Although the Manual contains approximately 200 wall and floor ceiling systems, the approval applies to those systems which specifically meet the Code requirements. For airborne sound insulation a Sound Transmission Class of 50 (STC) is required and for impact sound insulation an Impact Insulation Class of 50 (IIC) is required based upon laboratory measurements. The approval is limited to those systems which are shown to be generic and applicable to all producers of gypsum building products.

The Code approval by the I C B O membership follows similar action taken by the I C B O Research Committee at its June meeting, when approval was given to reference the Manual on two Research Reports issued to the Gypsum Association. These reports are No. 1628 — Gypsum Lath and Plaster Assemblies and No. 1632 — Gypsum wallboard assemblies, they permit immediate use of the generic sound control systems in the Manual.

Designers who have a special sound transmission control problem will find the Manual particularly useful due to the inclusion of Sound Transmission Loss values at test frequencies from 125 Hertz to 4000 Hertz in addition to the overall STC performance rating of the system. Although a system may have good STC rating it may not be the best system for special noise sources such as those from a machinery room which are predominantly in the low, middle or the high frequency ranges. Inclusion of the STL values in addition to the STC values allows the designer to select the best system to meet a special need.

Each system in the Manual is identified by a code number used for file and reference purposes. Architects and others responsible for selecting sound control and fire resistive systems are urged to include the code numbers of the systems selected in the specifications and in reference notes on the plans to supplement the detail drawings. This procedure will provide a direct reference to the systems in the Manual for subcontractors, plan checkers, inspectors and others concerned with the project in case additional information is needed.

Single copies of the Manual are available on written request — or business card — free from the Gypsum Association, 1800 North Highland Avenue, Hollywood, California, 90028.

## november 13 hearing on revocation of osha rule on lab accreditation

A public hearing was held Wednesday, Nov. 13, to receive comments on a U.S. Department of Labor proposal to revoke rules on accreditation of testing laboratories.

The rules were first issued by the Department's Occupational Safety and Health Administration (OSHA) Sept. 11, 1973. Their purpose was to remove the uncertainty that existed over the identity of "nationally recognized testing laboratories."

The rules also would have provided an official register of testing laboratories accredited by the Department of Labor. Under some OSHA job safety and health standards, such labs must test and certify products ranging from fire extinguishers to fork-lift trucks.

Assistant Secretary of Labor John H. Stender, who heads OSHA, said the rules "generated considerable controversy and misunderstanding" and a public hearing was held Jan. 9, 1974 to obtain public views on the issue.

He said the hearing record indicated a more thorough review of the accreditation rules was necessary. This led to a proposal June 3 that the rule be revoked pending further study.

"This proposal, too, stirred up considerable controversy," Stender explained, "so we will hold another hearing solely on the issue of revoking the present rule."

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## osha alerts construction industry to new hazard

Employers and employees in the construction industry were served notice by the Occupational Safety and Health Administration that the sanding of joints in dry wall construction is potentially hazardous. OSHA says that the asbestos fibers contained in spackling and taping compounds used to cover dry wall joints may expose workers to more vapors of asbestos fibers than are permissible under the OSHA law. OSHA field staff personnel have been alerted to this potential hazard and will be adding it to the list of inspection items. (Reprinted from Milwauakee Construction Industry Safety Council OSHA-GRAM #46)

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## quotable quotes

Yesterday's nest egg will hardly build today's bird house.

If you think talk is cheap, try getting some legal advice.

Talk is cheap, but you can't buy it back.

DOING BEATS STEWING

Happiness is doing — not having.

It's not what you pay a man but what he costs you that counts.

When you determine what you want, your life has begun.

Most jobs are carried out best by committees of one.

An idea is only as good as its execution. (By my favorite spec writer)

EDITOR:  
DONALD WALTON  
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# the predicator

portland chapter



vol. 14, no. 6 construction specifications institute january, 1975

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Programs	Margie Largent	636-6977
Publications	Don Walton	234-0655
Membership	Keith Schaber	228-6411
Fiscal	Dick Risley	235-0177

## special committees

Attendance	Keith Schaber	228-6411
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Chapter Affairs	Betty Shevlin	246-1790
Education	Lee Kilbourn	224-3860
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Circulation	Lee Kilbourn
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This month I don't have any particular subject to discuss so I will lay on you several items of an ameliorate nature. First of all, don't forget to attend our products fair coming up next month. If you are an industry member and would like to participate as an exhibitor, contact Larry Arnold, Keith Schaber, or Tom Shea for space. These three gentlemen are the products fair committee and will be glad to assist.

In the near future, if not already done, we expect to send to each member a questionnaire covering their suggestions as to whether to hold dinner meetings or not, and if we do hold dinner meetings, what can be done to insure the chapter against paying for meals that were not eaten but ordered. One suggestion received is that we hold a social hour without dinner prior to each meeting, and serve Cold Duck, champagne, or drinks that require a minimum of mixing, hosted by one or more members. If you have any suggestions or comments (keep your comments clean) please let us know.

Another item I want to talk about is membership. We are nearing the amount of members we had last year but I know there are a lot of prospective members charging around out there someplace, so keep your eyes peeled and if you see any good prospects latch right onto them.

Also, it is not too early to remind you that our regional conference coming up this August or September will be held at Anchorage, and even if it requires hocking the family jewels, give it great consideration.

PRESIDENT'S COLUMN — JANUARY 1975

UPCOMING

UPCOMING

UPCOMING

## UPCOMING EVENTS (Mark Your Calendar) PORTLAND CHAPTER MEETING products fair

Our Portland Chapter will be having a Products Fair on Friday, Feb. 28th, from 1.00pm to 9.00pm.

Manufacturers & Suppliers who wish to show their products at this Fair should contact Larry Arnold, Cassady and Assoc. — Office #206-696-1651. Home #503-248-0151, or Tom Shea, Office #224-1790, Home #760-6433

All architects, spec writers, public officials and school administrators will be invited to attend.

Those wishing to reserve a booth to show their products should call Larry or Tom immediately.

SEE YOU AT THE FAIR!!

January 14th Meeting

Place: N.E.C.A. Building  
601 N.E. Everett St  
Portland, Oregon 97232

Time: Meeting — 7.30 p.m.

Subject: "AVAILABILITY OF MATERIALS"

Our program will be a follow-up to the December 10th meeting on material shortages. The program will be presented by a group of distinguished panel members who will be representing the various C.S.I. Division of spec. format. This will be one you should not want to miss.

February 24th Meeting C.S.I. — P.C. joint Meeting

KEN SEARL C.S.I.

cont. pg. 6 col. 1

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**MASTER INDEX OF GOVERNMENT GUIDE SPECIFICATIONS:**

The Master Index of "Government Guide Specifications for Construction," 2nd Edition, 1973, is available from the D C Chapter, Construction Specifications Institute

The Index had been expanded to include nine major government agencies, is based on their latest Table of Contents, consisting of the listings of the respective guide specifications, and is the most current information available on this subject. The publication also includes a uniform construction index cross reference and sources of distribution.

The publication is a current and all inclusive source of information pertaining to the Federal Agencies and their respective Guide Specification Programs.

To obtain your copy of the Index send \$5 00 to Macon, Inc., 12201 Nebel Street, Rockville, Maryland 20852. Checks or money orders should be made payable to the D.C. Metropolitan Chapter, CSI

This publication could be of extensive value to those participating in Government contracts, and also serves as a worthy reference document.

TO: ELECTRICAL CONTRACTORS, FIRE ALARM SUPPLIERS AND INSTALLERS, PROPERTY MANAGERS AND ALL INTERESTED PARTIES

FROM: FIRE PREVENTION BUREAU, WASHINGTON COUNTY FIRE DISTRICT NO. 1

SUBJECT: FIRE ALARM AND COMBUSTION DETECTION AND ALARM SYSTEMS

It is apparent from our recent experiences, that many persons and firms engaged in selling and installing fire alarm equipment are not fully aware of State regulations governing such equipment and its installation.

Both State and District fire safety codes require manual fire alarm systems in hospitals, nursing homes, homes for the aged and schools. In addition such systems are required in hotels, motels, apartment houses and similar multi-family residential occupancies having a potential occupant load of more than 10 people above the first floor.

Because fire alarm systems must, by nature of application and use, be highly reliable, electrical supervision is required to assure that the system is in an operable condition at all times.

For the purpose of fire code requirements, an electrically supervised system may be defined as a system in which a break or ground in the wiring which prevents the transmission of an alarm signal will activate a trouble signal which must be operated by a separate source of power. From these requirements it may be observed that the integrity of the installation wiring of fire alarm systems is of such importance that it is necessary to do more than simply interconnect alarm initiating devices as is done in connecting light switches in multiple to operate lights. Therefore, fire alarm systems must be so designed and installed to meet the requirements of NFPA Pamphlet 72A. For detailed information regarding electrical supervision of alarm systems, please refer to Sections 2410 through 2443 of this Standard. In the event you do not have a copy of this pamphlet, it may be purchased from the National Fire Protection Association, 470 Atlantic Avenue, Boston, Massachusetts 02210 for \$1 25 plus postage.

D E McEvoy  
Fire Marshal

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United States National Bank of Oregon  
Member F.D.I.C.

## 1975 construction contracts to total \$102.1 billion; housing recovery seen, forecasts f.w. dodge

In 1975 contracting for new construction will total \$102.1 billion, 8 per cent more than this year's anticipated level of \$94.3 billion, it was announced today by McGraw-Hill Information Systems Company.

Addressing more than 500 executives attending the annual Building Products Executives Conference at the Statler Hilton, George A. Christie, the Company's vice president and chief economist, said that the seasonally-adjusted Dodge Index (1967=100) will move to 185 from this year's 172. He predicted that nonresidential construction contracts would total \$32.5 billion in 1975, 4 per cent below this year's level, residential building would reach \$41.3 billion, a 12 per cent gain, and non-building construction would come to \$28.3 billion next year, 17 per cent over this year's figure.

Christie pointed out that when the next upturn in construction begins, "the place to look for earliest improvement will be in housing." He believes this will happen at the beginning of 1975.

"Next year shapes up as an improvement over 1974, but that's not saying much. Recovery of housing in 1975," said Christie, "will begin from a very low level, and its progress will be handicapped by a shrunken and disorganized homebuilding industry."

"Considering the inflationary problems and priorities of 1975, there will be only enough improvement in the supply of mortgage funds to support about 1.55 million new dwelling units. A considerable part of present demand will be deferred into 1976, when easier credit and heavier funding of the new housing act will permit a stronger expansion to the 1.8 million unit level," Christie stated.

According to Christie, some of the expected improvement in housing next year will depend on reduced competition from the business sector for the limited supply of funds — and he already sees some development in this direction. The beginning of a sustained recovery will come early in 1975, with only a limited expansion during the first half of the year. There is a "potential for acceleration" in the year's second half, believes Christie, "if and when" there is move to greater monetary ease.

"Once more we are at the point where a major redirection of economic policy is sorely needed," Christie told the audi-

ence at the Building Products Executives Conference, an event sponsored by McGraw-Hill Information Systems Company since 1939. "President Ford's 10-point anti-inflation program just doesn't measure up to all the retroic that preceded it. While getting us away from *exclusive* reliance on monetary restraint by substituting austerity in other forms, it is founded on the principle of trading inflation for stagnation. The President's crash course on inflation economics has failed to produce any important change — and more of the same austerity is in store for 1975," said Christie.

"It is likely that during the first half of next year," Christie cautioned, "as housing is struggling upward, many types of nonresidential construction will be at the weakest." This will leave the Dodge Index, a seasonally-adjusted measurement of construction activity, with the appearance of stagnation until the second half. At that time Christie believes there will be a more general advance involving both housing and nonresidential building.

His forecast for specific nonresidential construction categories:

**Stores** — an upturn in contracting for retail facilities, which lags homebuilding construction by nearly a year, in the year's second half. Although total will not be up to 1974 level, there is potential for a sizable gain in 1976.

**Offices** — next year will be similar to 1974, with square footage of new office building down and dollar value of contracts close to this year's level — but only due to inflation. No further declines seen in Northeast and Midwest office building, likelihood of continuing decline in the South and West extending into 1975.

**Utilities** — large gain in 1975 construction contracting, similar to what was expected — but not accomplished — this year.

**Industrial** — greater uncertainty about industrial building than any other category of business construction. A modest decline in contract value anticipated next year.

**Public Works** — below-potential growth in 1975, as urgent demand for construction facilities to meet critical energy and environmental goals runs into conflict with another priority — the need to limit Federal spending to a non-inflationary level.

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## editors remarks

### HAPPENINGS

### EVENTS

(BY YE OLD EDITOR)  
DON WALTON

I would like to take this opportunity to thank each and every individual for their support and cooperation in publishing this monthly newsletter. We do appreciate your notes and comments. Also, I want to wish all of you a very successful and prosperous New Year!

We are sorry we were unable to correct the change in meeting place in our December issue and hope it did not create too many problems. We had already printed the newsletter and it was in the mail when we were advised of this change. You may wish to confirm our meeting time and place with Marge Largent or Keith Schaber.

#### Franklin L. Yoakum

Franklin L. Yoakum, founder and president of Meriwether, Inc., a Portland building materials firm, died of cancer in a local hospital. Mr. Yoakum was 52 years old.

He was a past president of the Lake Oswego Rotary Club and at the time of his death was treasurer of the Oregon Chapter of Producers' Council. He was an elder for three years as a member of the Lake Grove Presbyterian Church.

The family suggests remembrances be donations to the American Cancer Society.

Mr. James T. Fifer will succeed Mr. Yoakum as President & General Manager.

## request form

James A. Grady AIA, C.S.I., partner in the firm Peck/Grady Associated Architects is in the process of developing a "Request for substitution form". This form is being developed by our chapter in order to come up with a standardized

form familiar to all suppliers.

This form will also require the substitution request to show how the product submitted deviates from the product specified. Send a copy of your current form which you now use along with your comments to Jim Grady today. Now is the time for you to speak your mind and be heard. The result of this program is going to have considerable impact on the manufacturer and material supplier. Your forms and comments should get into Mr. Grady *immediately*. Therefore, do it now before you forget.

The following was received from Donald G. Clark C.S.I. President Sacramento Chapter

## spec writer position open at oac

The State of California, Office of Architecture and Construction, Sacramento, is looking for an experienced architectural specification writer who is familiar with the CSI format. Salary commensurate with experience and ability.

If interested, contact Mr. Dale E. Dwyer, Chief Architect, at 1500 5th Street, Sacramento, Calif. 95814, or telephone (916) 445-4369.

## follow-up to dec. 10th meeting

An entertaining and informative evening was had by the 63 members and guests who braved the weather and a changed location. The Forestry Building was decorated for Christmas and champagne helped to illuminate things too. The bubbly was donated by Betty Shevlin and Dick Ehmann, with Keith Schaber serving as chief cork popper.

Information gained by those attending the December Chapter meeting was too voluminous to put into the predicator. If you didn't attend you missed a great deal. You still have a chance to gain from the input of the 30 members who served as the panel for our meeting. At the January meeting we will continue with the subject. Substitutions, new engineering concepts, different design approaches, etc. will be proposed as solutions to the shortages we talked about in December.

The meeting will be held at the NECA Building on January 14, 1975 at 7:30 p.m.

## reservation's & no show's

The house committee under Betty Shevlin and the telephone committee under Keith Schaber have been working very hard to keep the cost of dinner meetings to a minimum and to ascertain exact attendance. In order for this to work properly it is extremely important that reservation's be made and kept or cancelled so that we know exactly how many to order food for. A restaurant or a caterer is forced to allow only a small margin, so when we have a larger or smaller number of people show up at a meeting we have a problem.

The twenty some members who did not show at the December meeting will be billed for chapter costs in paying the caterer and we hope all the no-shows do their share. The telephone committee has an accurate record of those who said they would attend and didn't show or cancel. Ordering catered meals in a rented hall is a real guessing game, so the board would greatly appreciate the cooperation of the entire membership in this regard.

## monthly meetings

Your program chairman would like to get a consensus from the membership on their preference as it relates to monthly meetings. Please contact Marge Largent today (636-6977) and vote for one of the following.

- 1 Have MEETING ONLY at N E C A Bldg.
- 2 Have Cocktail Hour, Dinner, and Meeting at place to be selected.
- 3 Social Hour and Meeting at N E C A Bldg with wine and hors d'oeuvres provided by sponsor of the meeting.
- 4 Alternate Dinner & Meeting with Meeting Only on alternate months.
- 5 Your suggestion, if any.

Please express your preference today. We want your ideas!!

## board meeting 12-19-74

**Meetings** — Largent — Must have comments from membership on continuing dinner meetings.

**Product Fair** — Arnold — Have 53 booths @ \$100.00 each to be at THUNDERBIRD, Feb. 28th, 1:00 to 9:00 pm. *cont. pg. 6*



## workshop on: "evaluation of professional & product liability"

Report By  
LEE TRACY, C.S.I.

Reprinted from Los Angeles Newsletter

Gerald W. Farquhar, Attorney at Law for the Victor O. Schinner Co., stated in his opening remarks that discussion on the depressing subject of liability appears to be a necessary evil.

Liability falls into three distinct areas: The Design Professional, The Contractor, and The Manufacturer, with liability expanding daily.

"Liability is the obligation to respond in damages (usually money damages) for some harm to another person."

In the "good ol' days" the concept was rather simple — you responded to damages based on negligence, a concept in the law known as privity. In the construction industry this had unique application in that only the Owner could sue the Architect or Engineer. The Owner and Contractor could only sue each other and the Manufacturer supplying the materials for the construction process could only be sued by some one purchasing directly from him.

About 20 years ago the law recognized that where an innocent third party was injured by some act of someone else, the concept of privity was destroyed and said that the injured third party suffering bodily injury may sue direct, whether or not there was a direct contractual relationship. This has been extended recently to include property damage claims. So it appears that anyone can sue anyone else regardless of contractual relationships.

The Design Professional's responsibility under the law today is to function and perform his services in a non-negligent fashion. The law holds him only to a standard of care generally exercised by the members of his profession. He can however, destroy this concept by his contractual language. So-o-o . . . be careful of your contract language. I'm sure we have seen many examples of poor contract language and the sad results (Space in this publication will not permit all the Do's and Don'ts)

Mr. Farquhar indicated that in 1962, there were 12.5 claims per 100 design firms per year with an average cost of \$1,700.00 per claim. This grew to 23.6 claims per 100 firms in 1973 and the cost rose to \$7,600.00 per claim. Projection for 1975 is 25 claims per 100 firms with an average of \$8,300.00 per claim. Startling? I guess so.

Mr. Farquhar recommends the best protection against claims is "good contract documents" and "contracts." Frame documents clearly, spelling out the various responsibilities and lines of authority so every party to the construction documents knows his responsibilities and follows them.

Be extremely careful to stay away from being involved in or responsible for Job-Site Safety. It is not within the Design Professional's Contract Documents Provisions, not within his authority and not within his control.

## CONTRACTORS SUGGEST WAYS TO COPE WITH SHORTAGES

Reprint from ENR


A voluntary eight-point program to help cope with materials shortages was proposed last week by Dallas-Fort Worth members of the construction industry.

While the program covers various aspects of specifications and contracts, it does not recommend use of escalation clauses. It was presented at a Dallas meeting sponsored by the Dallas and Fort Worth chapters of the Associated General Contractors (AGC).


The program recommends that owners and industry members:

- Use design performance specifications for materials whenever possible
- Provide for contract awards within 15 days of receipt of bids
- Use flexible contract provisions that permit payment to suppliers and subcontractors for stored construction materials after the contractor has certified full responsibility for them
- Provide in the specifications for a reasonable period of pre-construction planning after contract award.

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- Select materials produced, manufactured and / or distributed from regional sources to curb costs and delays
- Establish completion time provisions that allow the general contractor to include as part of its bid a completion date that it feels is realistic.
- Expand specifications on critical items to allow greater use of substitute or "equal" materials.
- Make specifications and drawings correspond, clear and as straightforward as possible. The ultimate goal must be to construct a building for whatever purpose it was intended to be.

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**feb. 24th meeting**

(cont. from pg. 1)

"THE CHANGE TO METRIC" Moderator: Larry Brown Guest panelist to include: John L. Dalke of the Nat'l Bureau/Standard, Bolder, Colo. Ray Thiess, (Oregon) State Department of Education.

This is one you'll want to bring all your associates to — we want to take advantage of this opportunity to hear what is happening worldwide and nationally, and also, what our state is going to be doing (soon) in our schools, etc




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**board meeting 12-19-74**

(cont. from pg. 4)

**Programs** — Largent — Feb. Meeting — Metric Program, to be held at Ramada Inn.

**Chapter Affairs** — Shevlin — Badges all ready for meeting use.

**Finance** — Walter —

Cash on hand	2164 33
Receivables	1165 00
Total	3329 33

Projected expense	3261 00
Uncommitted funds	68 33

Sending bills to members who were NO SHOWS at December meeting.

**Newsletter** — Walton — Deadline for material to be placed in newsletter must be the evening of the monthly meeting in order to be printed in following months newsletter.

Will put out membership roster in late January

We plan to cut down on mailing list to non-members. Only members can be assured of getting newsletter, etc

**EDITOR:**  
**DONALD WALTON**  
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# the predicator

portland chapter



vol. 14, no. 7 construction specifications institute february, 1975

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PRESIDENT'S COLUMN — FEBRUARY 1975

This month I have dug a couple of items out from under the old fedora (now don't be a wise guy and ask what I head a fedora for) to discuss.

First, we now have a date and some information for 1975 Region 12 conference. It will be held in Anchorage on September Fourth through Seventh. Main Speaker scheduled is Bill Caudill of Caudill Rowlett and Scott, Architects, who is the author (more or less) of *A Bucket of Oil*. I don't know what they have planned for fun and games but Leo McGlothlin and Kit Duke of Cook Inlet Chapter have promised good weather with no rain, and now hear this, no overcast. They haven't said yet the exact location of the conference but I'm sure it will be great. For instance, the Cook Inlet Chapter holds their chapter meetings at the Gold Rush Hotel on Northern Lights Boulevard. Sounds very wealthy and romantic all at the same time. Now if that doesn't grab you nothing will.

Secondly, I must bring up the matter of a ballot coming out soon to vote for an increase of \$25.00 yearly for institute dues which in our case would be a total of \$95.00 per year. I have had mixed emotions on this dues increase, sort of like the fellow who was watching his mother-in-law driving his new Cadillac off a cliff. However, to cut out the pussy footing, hedge hopping, and fence straddling, I will say even in spite of the institute's overall and scare tactic bulletins (they ought to be ashamed of themselves) I believe the dues increase is justified and hereby recommend it for an affirmative vote.

KEN SEARL C.S.I.

UPCOMING

UPCOMING

UPCOMING

## UPCOMING EVENTS (Mark Your Calendar) PORTLAND CHAPTER MEETING

### february 24th meeting

Joint dinner meeting with Producers Council at the Ramada Inn (Portland Center) 5:30 Social, 6:30 Dinner, 7:30 Program

Reservations must be in to Marte Ries at the P.C./C.S.I. office 223-8231 by noon Friday Feb 21st. *FOR SURE*, if you plan to attend this meeting

### "change to metric"

John Dalke, National Bureau of Standards, Boulder, Colorado — will be our key Panelist — Assisted by Ray Thiess, Metric Coordinator for the State of Oregon, Dept. of Education, Neal Pinson, of Western Wood Products (Technical Committee), Oszkar Accassy (SOM) and Hiacun Grube (Campbell-Yost-Grube) Larry Brown, Section Director of Reg 12, will moderate

This is the best value of the year — Bring Friends! Come for the program even if you skip dinner!

### march 10th meeting

A follow-up on the Dec. Jan Meeting Dealing with the environmental impact "Of & To" The Construction Industry Another "August" group — in March! Place uncommitted

### think metric

There has been a growing awareness in the United States during the past several years that the metric system will become our standard measurement within the very near future. In fact, the United States is the only major industrial country in the world that has not yet established a national policy for metrication.

cont. pg. 2 col 2

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## think metric

(from pg. 1)

Recognizing the ultimate adoption of the metric system as the official U.S. standard of measure, and the desirability of providing appropriate timing and techniques for easing the shift of the Nation's highway systems to metric measurement, the U.S. Department of Transportation's Federal Highway Administration (FHWA) recently announced the establishment of a policy of introducing the metric system in FHWA technical publications, reports and specifications.

In announcing the new policy, Federal Highway Administrator Norbert T. Tiemann emphasized that "this policy arose from mutual recognition by State and Federal highway agencies that metrication will be the roadway for the American measurement system in the future. The willingness of the highway industry and the motoring public to this new system," said the Administrator, "will serve to remove the potential roadblocks to progress that arise from inadequate preparation or confusion."

The necessity of utilizing metric measurements in the highway and traffic engineering fields has been recognized by highway related industries for a number of years. In 1970, the American Association of States Highway and Transportation Officials (AASHTO) officially endorsed the adoption of the metric system in the U.S. and recommended a 5 to 10 year transition plan. During the past several years, AASHTO has gradually introduced metric units of measurement into its technical publications.

Within the FHWA, a booklet entitled "The International System of Units — Conversion Factors and Table Equivalents" was published in 1973 for the use of personnel in the highway field. In addition the FHWA has authorized several States to install special signs on Federal-aid Interstate and primary highways which include both the customary U.S. units of mileage as well as their metric equivalents.

A special FHWA coordinating task force on metrication has recently been established as a direct means of enabling the FHWA to keep in touch with the national metrication developments which are likely to affect the Federal highway program. This group will also be responsible for coordinating those activities within the FHWA which relate to the eventual metrication of the highway planning, design, construction and operation process.

## minutes of the board

CSI board meeting January 23, 1975, at Dekum Building, 12:00 noon. Five board members present plus seven members and one guest, and our section director.

Report of Products Fair given by Tom Shea and everything is under control with letters out to all concerned.

Program chairman and vice president Marge Largent discussed forthcoming programs. It appears we are in good shape through April with May and June programs in process.

Jim Grady discussed recommended form for approval of substitutions. In fact, he gave out a copy of one that he incorporated in his firm's last set of bid specifications so he will be able to give us actual working experience.

Tom Matthews of Dayton Travel Agency outlined CSI convention trip to New Orleans in June. He quoted places to see and costs. This information will appear in the Predictor soon.

Dexter Walter's treasurer's report indicated we are solvent with over \$100,000 in uncommitted funds. At the moment the institute owes us for several members.

Larry Brown, our section director, spoke briefly, urging us all to vote for dues increase.

Meeting adjourned at 1:25 P.M.

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Use yours for all it's worth.**



**United States National Bank of Oregon**  
Member F.D.I.C.

## editors remarks

HAPPENINGS

EVENTS

(BY YE OLD EDITOR)  
DON WALTON

### EDITORS NOTE

The following letter was received by your editor. We also encourage your support of Robert Schmidt for vice president

### vote robert schmidt for vice president

Robert Schmidt, is one of five candidates nominated for the office of Vice President, CSI. When you vote for Institute officers you can only vote for three Vice Presidents. I urge you to vote for ROBERT SCHMIDT. A biography on Bob was presented in the January CSI Newsletter. It explains Bob's involvement in CSI since joining the organization in 1966.

I was on the CSI Board of Directors with Bob for two years when he served as a Region Director. I also worked with Bob for two years on the Institute Long Range Planning Committee. Bob is dedicated to CSI and an objective, hard worker towards a better CSI.

Geographically, Bob is the only officer nominee from the West. In Region 10, 11 and 12, we have 23% of the total CSI membership. We need Institute Officer representation from the Western part of the United States.

I am confident that BOB SCHMIDT can and will make an excellent CSI Vice President.

VOTE FOR ROBERT SCHMIDT FOR VICE PRESIDENT

WALTER F. BISHOP, FCSI  
Member, Puget Sound Chapter

## new publications from

Educational Facilities Laboratories, Inc.,  
477 Madison Avenue, New York, N.Y.  
10022

### energy conservation and the building shell

The first publication in the new EFL Energy Workbook series discusses, in layman's terms, energy-saving ideas that can be applied to a building shell.

The first part of the report describes energy-saving ideas for a shell — including shading, increasing insulation, use of light-colored finishes, natural site and landscape features. The second part is a workbook on costing that enables users to estimate the impact of applying these ideas to a new or existing building. With the aid of the report's Heating and Cooling Data Sheets, Energy Worksheet (and some simple arithmetic), readers can easily complete an energy consumption or lifecycle cost estimate for a shell.

**Energy Conservation and the Building Shell** and other reports in the new Energy Workbook series provide information about energy use and savings for decision makers and for those who influence decisions about school buildings. 8½ x 11, 32 pages, 8 tables, \$3.00 postpaid.

### case studies of energy use: elementary and secondary schools

The second publication in the Energy Workbook series illustrates the implications of energy conservation practices through case studies of programs in five school districts.

These include reports on a computerized energy conservation study and use of energy consumption in evaluating design/build schemes in Fairfax County, Virginia; energy-use studies of early learning centers in Dallas, Texas, and of high schools in Huntington Beach, California, the results of a program to conserve heating energy in San Mateo County, California, and a computer-assisted examination of the energy savings possible in a typical Colorado school.

**Case Studies of Energy Use: Elementary and Secondary Schools** provides information for school planners and designers on how to undertake and what to expect from energy use studies. 8½ x 11, 24 pages, \$2.00 postpaid.

**Both publications are available from BSIC/EFL, 3000 Sand Hill Road, Menlo Park, Calif. 94025**

## what kind of year?

Perhaps never before in history has mankind had to face a new year with as many questions and doubts as we have today. Not only do the economists leave us in a quandry with their conflicting explanations of and remedies for the economy, but "experts" in most other fields are doing their part to keep us confused, too.

Is the world running out of food? Will the auto industry survive? Will we see more wars this year? Is sugar going to cost 80¢ per pound forever? Take any question you can think up and you can find 100 "experts" who will argue "yes" and 100 others who will argue "no."

So what are we to believe? Perhaps we have to look backward instead of forward to find the answer. Maybe we should be remembering, believing and practicing the basic truths that gave our country a greater strength in years gone by.

Albert Einstein once poked a pointed observation into the middle of a challenging idea when he said, "It is high time the idea of success should be replaced with the ideal of service."

Einstein was looking into the heart of a truth that may have eluded a lot more of us for a lot longer than seems decent.

He made the telling point that the most rewarding success adds up when you do more for the community of mankind than the community does for you. This is the thinking that emphasizes that the most valued success simply is not measurable in wealth or position or recognition. Einstein had found along the road of his own remarkable success that when a man moves in tune with "the ideal of service" he very often is paid, not in currencies that can be lost or stolen or spent, but in the satisfactions that enrich the spirit for a lifetime.

Albert Einstein contributed much to the body of knowledge mankind has accumulated, but he did not barter his contributions for the rewards that might easily have made him dollar-rich. He was sensitive always to man's obligation to man, to the importance of replacing "the ideal of success with the ideal of service."

He did not think of it in these terms perhaps, but he was pointing very directly to the essence of the cooperative way, to the fact that the enduring measure of cooperative success is not found in financial reports alone, but in day-by-day service to members.

cont. pg. 4

## what kind of year

(from pg. 3)

Albert Einstein never belonged to a cooperative of any kind. Still, this kind of philosophy marks him as one of the leading cooperators of his time.

As we enter this uncertain new year, it might be well to forget for a while what the "experts" are saying will happen to us and become real experts ourselves at helping one another. If each of us adopted Einstein's philosophy of helping others, without concern for dollars in return, most of our national and world problems would take care of themselves.

### MY CONCLUSION

- 1 You will get out of C S I exactly what you put into it. You will make this organization exactly what you want it to be.
- 2 The year 1975 will be exactly what you make it. You have nothing to fear but fear itself.

## do you have reservations for the construction specifications institute — annual meeting new orleans — june 22 to 25, 1975

NEW ORLEANS grows old gracefully. Her roots go back three centuries to the time LaSalle claimed the basin in the name of Louis XIV. Later Bienville established a settlement on the great curve near the mouth of the Mississippi. In the 1700s she became a busy French port and pirate haven. Then during the 1800s delta sugar barons parlayed slave labor, rich soil, and river transport into enormous wealth, which produced many of the finest homes in the country.

The VIEUX CARRE', or French Quarter, is the center of history, famous buildings, night life, and jazz. We have booked 20 rooms at Holiday Inn, French Quarter, for the CSI Group from Oregon and Washington. It is one block from the MARRIOTT convention hotel and 8 blocks from RIVERGATE Coliseum. The Inn has a swimming pool and children under 12 are free. The price per twin-bed room will be \$30.40 plus 6½% tax.

We are booking Continental Airlines, using a Group-10 fare from Seattle and

Portland of \$274.00 round trip. On this fare we must all go together but may return individually. Regular round trip fare is \$328.00. Under age 12 — \$218.

### itinerary

Sat Jun 21: — Leave Seattle and Portland at 7:45am, meet in Denver and arrive New Orleans at 3:04pm. Breakfast and lunch enroute. Evening free for Street Jazz, French Quarter restaurants, or the Saturday night dance-cruise on the Mississippi.

Sun Jun 22 — 9:30am — Grayline Tour of the French Quarter, then to Uptown and St. Charles Avenue, where millionaires built their estates. Sugar Bowl, gardens, open drainage canals, Loyola University area, etc.

Sunday evening through Wednesday evening — CSI Convention.

Thu Jun 26 — Historic River Road Plantation Tour through Ante-Bellum Louisiana and along the levees passing fantastic swamplands. Three plantation homes of different eras will be visited (1812, 1855, 1840), with lunch at L'Heritage, the oldest. Time to visit the Acadian Market Country Store and antique shops. An all-day tour. Minimum 25 persons.

Fri & Sat: — We will go 50 miles East to the Mississippi Gulf Coast, the "Riviera of America". 26 miles of beach with historic houses, shrimp boats, and resorts of every description. Visit BEAUVOIR, home of Jefferson Davis, the 1848 lighthouse, see remains of Hurricane Camille, and swim in the warm waters of the Gulf. We will stay at Sheraton Biloxi Motor Inn or similar.


Sat Jun 28, 3pm: — Leave for New Orleans Airport. Continental 415 leaves at 6:30pm for Denver, arriving Portland & Seattle 10:30pm. Dinner enroute.

PLEASE CHECK THE ITEMS BELOW IN WHICH YOU WISH TO TAKE PART. Costs per person:

Group air fare	\$ 274.00
Bus from airport,	
baggage transfers	6.00
Holiday Inn, 5 nights	
includes tax	81.00
Gray Line Sunday	
Panorama Tour	7.50
Thursday, Plantation	
Tour	30.00
Fri/Sat Motor coach	
trip, 2 nights in	
hotels (est)	52.00

cont. pg. 6 col. 1

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*MONOFORM protecting "spirits" warehouse — Milwaukie, Oregon*

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The primary advantage of the MONOFORM SYSTEM is its lack of glaring deficiencies. MONOFORM is UL fire-rated for 0 to 12" slopes. The freeze-lock cycle breaking apart so many cap sheet roofs does not affect MONOFORM. Maintenance is no problem as with gravel surfaced roofs. MONOFORM does not crack, alligate, or cold flow, a characteristic of asphalt coated roofs.

The MONOFORM SYSTEM is the easiest of all built-up roof systems to maintain. When the reflective coating begins to wear, simple recoating is all that's necessary — no costly tear-offs or additional base sheets are involved. Other roofs can be maintained with MONOFORM making it ideal for institutions or industry. Why wait until your roof has completely deteriorated? Get it under the gun!

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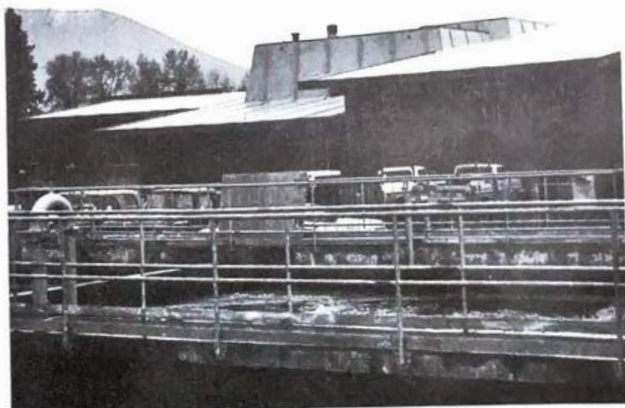
*Oregon City Bank protected by MONOFORM & SKYKOTE*



Bob Pierson, Keith Schaber and Skip Leonard cover the state to give you the service and technical experience you need. They're qualified to survey your roof, write specifications and inspect work in progress. Ask anyone who has worked with them through a job and you'll find a new confidence in the manufacturer's representative. Put them on your roof through FLINTKOTE'S *inspection and guarantee* system and you'll have one source of responsibility for your roof.

*Grocery chain, Roof Maintenance Program — FLINTKOTE representative roof surveys & MONOFORM specs*

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*Water sewage treatment plant, Grants Pass, Oregon — cold applied with FIBREX CEMENT, MONOFORM & REXKOTE*

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# workshop on: "evaluation of products and methods: plastics"

Report By: J. Richard Fare  
Reprinted from Los Angeles Newsletter

The speaker was Mr. James J. Coleman, Chairman of the Reinforced Plastics/Composites, Institute of the Society of Plastics Industries. Mr. Coleman's associates were Mr. Joseph S. McDermott, Staff Director of the Society of the Plastics Industry and Mr. Wade Neixdorff, Manager of Marketing Publicity for Owens-Corning Fiberglass Corp. and Chairman of the Public Relations Committee of the Reinforced Plastics/Composites Institute. These gentlemen fielded the questions from the audience.

This session was highly informative but somewhat too technical to grasp everything in a one hour session. The numbers quoted were impressive. Such as in the year 1973 five billion pounds of plastics went into construction; the use of plastic in plumbing zoomed 200 percent in 1973 to 280,000,000 pounds; plastic pipe and fittings accounted for 2,000,000 pounds of plastic in 1973; plastic flooring used 500,000 pounds; wall covering was 123,000,000 pounds; glazing and skylights used 90,000,000 pounds and this does not include carpets, furniture and insulation for electrical wiring. Now if this doesn't boggle your mind, it is predicted that there will be a 44 percent increase in the use of plastics in the construction industry by 1980 and a 147 percent increase by 1985. Also consider that plastic is almost always used as a substitute for some other material. Most of the time the reason for the substitution is because it costs less, and it is almost as good as the original. Now, you just might understand what your children mean when they say that this is a plastic world!!!

There are some good things about plastics to be sure. Mr. Coleman mentioned the energy saving potential of using plastic skylights because one square foot of skylight is equal to ten watts of electricity. Also plastic structural shapes have been developed for use in highly corrosive areas; urethane foam insulation is one of the best insulations there is, but it has a serious drawback. It, like almost all other plastics performs poorly in a fire. So keep it away from open flame

or heat. Even with all the problems that we find in plastics, remember that the plastic industry is very young. Not much plastic was used in the construction industry twenty years ago. There is a great future for plastic in construction if used in the right place and not forced to do a job that it was not intended to do. This is where we, the specifiers, are given the opportunity to step out and set the pace in the judicious use of plastics.

(OUR THANKS TO THE FORT WORTH CHAPTER)

## cost estimating or russian roulette

Cost estimating for construction has always been a "win a few — lose a few" proposition. In these days of instant shortages and instant price increases the problems of cost estimating are multiplied several fold.

No manufacturer, supplier, or contractor can predict or even confidently price a material that he will purchase four, two or even one month from now (that is assuming of course that the material is even available). As a result, the contract term "price in effect at time of shipment" is becoming quite common in the industry as well as the escalation clauses.


The so-called material shortages coupled with the everyday price increases necessitate alternative materials and an alternative cost estimate. From here on things get more complex and it becomes virtually impossible to give a client a comprehensible, reliable figure. The apparent thing to do is to prepare a statement to the client that the perpetual figure given is based upon *present* wage scales and material cost and that this in no way guarantees that the project will not cost more.

The education of the client as to the prevailing conditions in the labor and materials market will lessen the chances of a law suit of malpractice based upon the fact that the actual construction cost exceeded the original estimate.

The building industry now is as unpredictable as the women's lib movement but fortunately we don't have to go through this every 28 days.


The legal aspects and liabilities associated with the construction industry is appalling in scope and it seems as though a law suit could develop at any time and for any given reason. Cost estimating can certainly become a liability instead of an asset.

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## board meeting

11-21-74

**Present:**

Searl	Arnold	Schaber
Largent	Luie	Brice
Chapple	Walton	Grady
Shea	Ehmann	Todd
Kilbourn		Risley

**Treasurers Report**

Balance 11/21/74	\$ 1,553.13
Receivables	2,205.00
Total	\$ 3,758.13
Payables	3,611.00
Income Funds	\$ 147.13

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**annual meeting**
*(from pg. 4)*

In order to hold airline and hotel bookings and make adequate arrangements, reservations should be in by April 1st. Call Tom Matthews for suggestions or information. Please send refundable deposit of \$25 per person to Dayton Travel at the address below.

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**board meeting 11-21-74**
*(cont. from pg. 5)*

**Programs** — Largent — Feb. Meeting  
— Metric Program, to be held at Rama-  
da Inn

**Chapter Affairs** — Shevlin — Badges  
all ready for meeting use.

**Finance** — Walter —

Cash on hand	2164.33
Receivables	<u>1165.00</u>
Total	3329.33

Projected expense	<u>3261.00</u>
Uncommitted funds	68.33

Sending bills to members who were NO  
SHOWS at December meeting.

**Newsletter** — Walton — Deadline for  
material to be placed in newsletter must  
be the evening of the monthly meeting  
in order to be printed in following months  
newsletter.

Will put out membership roster in late  
January.

We plan to cut down on mailing list to  
non-members. Only members can be  
assured of getting newsletter, etc.

**EDITOR:**  
**DONALD WALTON**  
7390 S.W. 101  
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# the predicator

portland chapter



vol. 14, no. 8 construction specifications institute march, 1975

## officers/directors 74/75

Kenneth L. Searl	President	223-1181
Margie Largent	Vice President	636-6977
Gordon Todd	Secretary	246-8295
Dexter Walter	Treasurer	655-7166
Jim Grady	Technical	228-5151
Tom Shea	Awards	224-1790
Larry Arnold		285-2850
Donald Kramer		289-2661
Verne Brice	Advisor Past President	227-3461

## standing committees

Technical	James Grady	228-5151
Programs	Margie Largent	636-6977
Publications	Don Walton	234-0655
Membership	Keith Schaber	228-6411
Fiscal	Dick Risley	235-0177

## special committees

Attendance	Keith Schaber	228-6411
Awards	Tom Shea	224-1790
Chapter Affairs	Betty Shevlin	246-1790
Education	Lee Kilbourn	224-3860
	J. Min Luey	228-9468

## predicator staff

Editor	Don Walton
Assistant Editor	Roy Chapple
Advisor and past Editor	Lee and Perky Kilbourn
Circulation	Lee Kilbourn
Advertising	Dennis Obert
Copy Make-Up	Warren Koepke
Secretary	Sue Riddle

## Take Me to Your Leader

### northwest section region 12 officers

Region Director	James K. Balzhiser	503-686-8478
Section Director	Alan (Larry) Brown	503-620-1014

### PRESIDENTS PERSONAL COLUMN KEN SEARL C.S.I.

Just returned from Region 12 Chapter Presidents Meeting held in Seattle on Friday, February 28th, and I feel it was a most-educible meeting. (Complete report of meeting elsewhere in this issue.)

One item of discussion was a possible change in the date for the next regional conference to be held in Anchorage. Original dates were scheduled for September third and fourth but the Anchorage chapter is going to give consideration for a date in August on or about August 21st. This will allow people with children to attend and probably the weather in August is nicer than September.

Our chapter membership is just slightly less than last year's but if you see any prospective members lurking around out there talk them into joining our chapter — just happen to have a good supply of membership blanks on hand.

A chapter nominating committee headed up by Lee Kilbourn has been appointed and will soon be contacting members to run for board of director positions. (Three vacancies will occur, I believe.) Please give this matter your consideration.

Our chapter under the guidance of Jim Grady is in the process of making a substitution approval form if any of you have any suggestions or would like to see what's cooking contact Jim Grady.

In the last issue of the Predicator information was given regarding trip to New Orleans convention in June and a tour after convention if you are interested contact our fearless travel guide, Tom Mathews, who sure gave us a good trip at the national convention at Washington, D.C. in 1973.

Ken L. Searl

UPCOMING

UPCOMING

UPCOMING

## UPCOMING EVENTS (Mark Your Calendar) PORTLAND CHAPTER MEETING

### march 11th meeting

THEME: ENVIRONMENTAL IMPACT  
ON/TO BUILDING CONSTRUCTION

PLACE: N.E.C.A. BUILDING  
601 N.E. EVERETT

TIME: 7:30 pm (meeting only)

Chairperson: Marion Bentley of Port of Portland will chair the program. Panelists will be present from the Corps of Engineers; Port of Portland, G.S.A. General Services Administration; Fry Roofing Products; Representatives from two major General Contractors; a Landscape contractor; Oregon Portland Cement; and a couple of major surprises.

### april 8th meeting

THEME: TENNIS COURT CONSTRUCTION & MATERIALS AND C.S.I. SPECIFICATION DIVISION #1

PLACE: TO BE DETERMINED

Chairperson: John Crook

### may 13th meeting

THEME: TEAM APPROACH IN FINANCING

PLACE: TO BE ANNOUNCED

Chairperson: Tom Shea

### june 10th meeting

THEME: COMPUTERIZED SPECIFICATIONS

PLACE: TO BE ANNOUNCED

Chairperson: Mary Alice Hutchins

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MINUTES OF  
C S I PRESIDENTS' MEETING,  
REGION 12, FEBRUARY 7, 1975  
OLYMPIC HOTEL, SEATTLE,  
WASHINGTON

Present

Anchorage Chapter Ron Campbell  
Portland Chapter Ken Searl

Seattle Chapter Don Walton  
Jim Adkins

Spokane Chapter Bob Ross  
Art Nordling  
Dale Brookie

Willamette Valley Chapter Hubert Stokes

Yakima Chapter Dick Doudna

Following were areas of discussion and a summary thereof

1. *Master Spec Program* An ad-hoc committee has been established to develop and maintain this program. Input on development of this program through C S I and/or in conjunction with AIA, etc., should be sent in to Jim Balzhiser or Larry Brown. There has been concern in developing this program to fit the various size architectural firms, geographical area, and to fit the availability and supply of products for each individual area.

2. *Accreditation of specifiers* An ad-hoc committee has been established to study the accreditation of specifiers. The major problems to overcome have been what sections should one be accredited, i.e., divisions 1 through 14, 15, or 16, or any area therein; also, the development of testing procedure, etc., to provide certification.

3. *Location of 1977 convention* — The convention has been moved from Seattle to Denver. A letter will be sent from National to Seattle Chapter thanking them for their understanding in this move. The reason for change of site was primarily due to lack of exhibit space, relationship of exhibit space to meeting rooms, etc.

4. *College credit to students for attendance at a national C S I convention* There is a study underway to give credit to students for attendance to a national C S I convention and writing a report on the program meetings.

5. *AIA/CSI joint convention* There has been some discussion between C S I and AIA to hold a joint convention in 1976 in Philadelphia to celebrate the Bicentennial. More information will be forthcoming on these discussions.

6. *Construction Science Foundation* This Foundation was awarded \$160,000 to come up with a spec for rehabilitation of housing for HUD. This is being done under the licensing of C S I. This program was done by many members of C S I private practitioners.

7. *1975 regional conference — Anchorage, Alaska* There is some concern to hold the program now during the last week of August in lieu of after Labor Day so people with families could attend. Plans for the program are being firmed up by Ron Campbell and Kit Duke at this time. The program will center around energy conservation and will include some field trips to industrial sites involved with the oil pipe line. There are trips being considered to Valdez and Kenai Peninsula. Also, a group flight from Seattle is being planned to reduce transportation costs, etc. A large number of people will need to sign up to accomplish this. It is asked that factory representatives, etc., should schedule their trips to Alaska, at this time, to give maximum support to this program. There have already been many people who have committed themselves to attend. This could very well be the largest conference attendance-wise. Members should contact their local president if they tentatively plan to attend so facilities and planning can be done to accommodate those attending.

cont. pg. 5

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## editors remarks

### HAPPENINGS

### EVENTS

(BY YE OLD EDITOR)  
DON WALTON

In the January issue of *Symposia* magazine I read with great interest a most provocative article written by Robert J. Schmidt, FCSI. This article concerned CSI voting rights, ie Industry being made equal to Professional members. There is little I can add to this excellent presentation other than the fact it compelled me to write some additional comments on a related subject. (One more pat on the back goes to Fletcher and Betty Trunk, Editor and Publisher, for their leadership in publishing current, controversial articles in a most professional way.)

In this article I took note of the main title "The Case of the Silent Majority"; to this I feel there is another area for the silent majority to address themselves. As Editor of the *Predictor* I receive many of the chapter newsletters. I find some who seem to enjoy being a "building wrecker" instead of a "building builder". As a member of CSI, in my first year, I do not profess to know all the answers, but, I do feel CSI is one of the few organizations capable of bringing the building team together for the purpose of developing programs to build better buildings and give us a better environment in which to live. I, for one, do not wish to participate in negative approaches as presented by a few and feel we can truly build a great organization by establishing a policy of letting "the responsibility rest at the lowest responsible level".

I had the recent privilege to attend the Region 12 Presidents meeting in Seattle with our *great president* Ken Searl. (In another area of this publication I have shown those present, and made a report of this meeting.) At this meeting I heard a report from our Northwest Region Director, Jim Balzhiser on the activities going on at our National Office. I was impressed with the dedication and work being done by people like Larry Dean, Walter Kaye, Robert Schmidt, and Wayne Brock. I would also have to include our section and region directors

Larry Brown and Jim Balzhiser, as we think they are doing an outstanding job. I have also been impressed with the work done in our area by people like Richard Ehmann, FCSI, Walt Bishop, FCSI, and Larry Fisher, FCSI.

In closing I would like to share this thought-provoking little poem I heard recently.

I watched them tearing a building down,  
a gang of men in a busy town.  
With a ho-heave-ho and lusty yell,  
they swung a beam and a side wall fell.  
I asked the foreman, "Are these men skilled?"

The men you would hire, if you had to build?"

"Just common labor is all I need. I could easily wreck in day or two, what builders have taken a year to do."

I thought to myself as I went my way,  
which of these roles have I tried to play?  
Am I a builder who works with care,  
measuring life by the rule and square?  
Am I shaping my needs to a well made plan,

trying to do the best I can?

Or am I a wrecker who walks the town  
content with  
the labor of tearing down?

MAY PEACE BE WITH YOU ALL!!

*Board meeting, February 20, 1975, held at AIA-CSI Headquarters Building at 519 S.W. Third.*

Ten members present including five board members, which is a quorum.

Larry Arnold gave report on products fair to be held on Friday, February 28th. We have 48 booths available with 35 signed up and 16 of them now paid. Hours will be one p.m. to nine p.m.

Dexter Walter gave treasurer's report and due to incorrect earlier reports of institute money due us for dues we now are shorter in anticipated revenues by about \$900.00, but with budget adjustments and any revenue from products fair we should still be in good shape.

Lee Kilbourn as head of Nominating Committee reports the following members will also serve on committee. Jim Luey, Dick Ehmann, Verne Brice and Don Kramer.

Keith Schaber, Membership Committee, reports we now have 147 members and four members at large.

Jim Grady reported on substitution approval forms. He suggests that the forms be on different colored paper. Also it was suggested that although form states one item per form that group items such as lighting fixtures can be on one form.

Board approved new member Walter Steiger, Corps of Engineers, Portland.

Final item. Suggestion made that Don Walton put sample of substitution form in *Predictor* and ask for comments.

Ken L. Searl, President

## portland chapter

c.s.i.

## membership roster

Lee Kilbourn and his "committee" have labored long and hard with the result that the Portland Chapter Classified Membership Roster is now a fact. The classifications are based on the section titles and numbers in the 1972 Edition of the Uniform Construction Index and the current revised edition of CSI Document MP-2A. Both these documents are available from CSI and are also available for reference at the joint CSI/PC/AIA Office in the Dekum Building in Portland.

An alphabetical list of classifications may be found in the August 1974 Portland Builders Exchange Cooperative Membership Roster which may be purchased from them at 1125 S.E. Madison St. for \$2.00.

For Divisions 2 through 16, added information concerning the activities of the individual listed are shown on the Portland Chapter CSI Roster. These are:

"m" for manufacturer


"r" for representative

"i" for installer

It may be assumed that all installers "represent" the products listed.

The roster will be amended and reissued in late summer (after the 1975-76 dues are paid). If you have any comments, please call Mr. Ken Hankins at 225-6518 or Mr. Lee Kilbourn at 224-3860. Our goal is to improve communications in the construction industry. When you need to know, consult the Portland Roster Yellow Pages.


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# substitution request form

The following is a sample of the "Request for Substitution" being considered for adoption by our Portland chapter. Your comments to this form are solicited. Send your comments to Mr. Jim Grady, Peck — Grady Associated Architects, 1130 S.W. Morrison, Portland, Oregon.

SUBSTITUTION REQUEST FORM INSTRUCTION TO BIDDERS

Substitution Request Form

(One Item Per Form)

(ONE ITEM PER FORM)

Project: \_\_\_\_\_ Date: \_\_\_\_\_

We hereby submit for your approval the following material as equal to the specified material for the above project:

Section	Paragraph	Specified Material

Proposed Equal: \_\_\_\_\_

Attach complete technical data, including laboratory tests, if applicable

Include complete information on changes to Drawings and/or Specifications which proposed product may require for its proper installation

A. Does the change effect dimensions shown on Drawings in any way?  
\_\_\_\_\_

B. Will the undersigned pay for any engineering or detailing costs caused by the requested change?  
\_\_\_\_\_

C. What effect does the change have on any other trades?  
\_\_\_\_\_

D. Differences between proposed product and one specified?  
\_\_\_\_\_  
\_\_\_\_\_

E. Cost differential between proposed product and specified products?  
(plus) \$ \_\_\_\_\_ (minus) \$ \_\_\_\_\_

This request is accompanied by a *self-addressed, stamped envelope*

Approved  Not Approved

Firm \_\_\_\_\_

By: \_\_\_\_\_

Address \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

## substitutions

**SUBSTITUTIONS** To obtain approval of unspecified items, bidders shall submit requests at least seven (7) days prior to opening of proposals.

Requests will be considered *only* if they are prepared on the "Substitution Proposal Form" format or copy of same. In addition, all data necessary to demonstrate acceptability must accompany the form.

Electrical and mechanical requests may be sent directly to respective consulting engineers with carbon copy to the Architect.

Request shall be accompanied by a self-addressed, stamped envelope.

If the above requirements have been complied with and in the Owner's and Architect's opinion the proposed product is acceptable in lieu of the one or more specified, the Architect will approve it in an addendum which will be issued to all bidders.

Note: see following page for Substitution Proposal Form

## c.s.i. presidents' meeting

(from page 2)

8. *Screening committee for nomination of region director.* Each chapter president is to appoint one representative to come up with nominations for region director position. This is to be done sixty days prior to the regional conference.

9. *Guidelines for regional conference* — Jess Wilkins presented guideline documents which were corrected and approved. These guidelines will be printed and distributed to chapter presidents. Those interested in a set of these documents can obtain same from their local president.

10. *Change regional conference from fall to spring.* An ad-hoc committee consisting of Walt Bishop, Don Smith, and a member from the Portland chapter (appointed by Ken Searl) to review and investigate the feasibility of changing our fall meeting to early spring. This has been brought up by several members who felt this would eliminate conflicts with AIA/PC, etc.

11. *Visit to chapters by Larry Brown / Jim Balzhiser.* All chapter presidents to notify Brown or Balzhiser and work out a time when they would be able to have them attend a chapter meeting along with a local board meeting.

12. *Substitution and approval forms* — Jim Grady of the Portland chapter is working on a standard "Request for Approval Form" which can be used by architectural firms in evaluating requests for approval to bid. All chapters are asked to support this program so it can be used as a regional program.


*Miscellaneous notes:* The National and our Region 12 are working within their available budget and funds. It is felt by our region that the National staff is running a "tight ship" and doing a commendable job.


This covers the major items discussed and reviewed at the presidents' meeting, as it relates to our chapter and membership.


Respectfully submitted,  
Don Walton


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Sentences taken from actual letters received by the *Canadian Welfare Department* from applications for aid and assistance

I am writing to the Welfare Department to say that my baby was born two years old. When do I get my money?

I am forwarding my marriage certificate and six children, I have seven, but one died and was baptised on one sheet of paper.

Mrs. Jones has not had any clothes for a year and has been visited by the clergy regularly.

I cannot get sick pay. I have six children, can you tell me why?

I am glad to report that my husband who was reported missing is dead.

This is my eighth child. What are you going to do about it?

Please find for certain if my husband is dead. The man I am living with can't eat or do anything till he finds out.

I am very annoyed to find that you have branded my son illiterate, as this is a lie. I was married to his father a week before he was born.

In answer to your letter, I have given birth to twins in the enclosed envelopes.

In accordance with your instructions, I have given birth to a boy weighing ten pounds. I hope this is satisfactory.

I am forwarding my marriage certificate and my three children one of which was a mistake as you will see.

My husband got his project cut off two weeks ago and I haven't had any relief since.

Unless I get my husband's money pretty soon, I will be forced to lead an immoral life.

**XEROX**

**Keith Lilly**

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# the predicator

portland chapter



vol. 14, no. 9 construction specifications institute april, 1975

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Chapter Affairs	Betty Shevlin	246-1790
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James K. Balzhiser	503-686-8478
Section Director	
Alan (Larry) Brown	503-620-1014

UPCOMING  
UPCOMING  
UPCOMING

## UPCOMING EVENTS (Mark Your Calendar) PORTLAND CHAPTER MEETING

### april 8 meeting

Place: NECA Building  
Time: 7:30 p.m.  
Theme: Athletic Surfaces

Chairman: Paul Wilson of Harland, Gessford, Erichsen  
Panelist: Emery Beddall (asphalt), Fryer-Knowles Co., Seattle, Wn.; Ames Cohan (gymnasiums), Frank D. Cohan, Inc.; Dave Wiley (synthetics), J. A. Wiley Co.; Keijo Hyvonen (wood), Kelley - Goodwin

### may 13 meeting

Place: To be announced, possible dinner meeting  
Theme: Team approach to financing

Chairman: Tom Shea, Madden Const Supply  
Panelist: To be announced next month

### june 10 meeting

Place: To be announced  
Theme: Agencies — due to Governor Straub's current popularizing of this subject we will be assisting by our discussion at a CSI meeting earlier than December as suggested. Mary Alice Hutchins graciously gave up her time slot.

### september 9 meeting

Place: To be announced  
Theme: Computerized Specifications

Chairman: Mary Alice Hutchins

### october 14 meeting

Joint meeting with Structural Engineers Association of Oregon

sept. 11th (see pg. 4)

## PRESIDENTS PERSONAL COLUMN KEN SEARL C.S.I.

First of all I want to thank Larry Arnold and his helpers Tom Shea and Keith Schaber for all the effort they put on the Products Fair Well done, fellows

This month I didn't know whether to come charging out as a bear or a bull. Giving it some fast deliberation, taking into account which way the wind was blowing, I decided to throw out the gavel and charge in like a bull, particularly the pawing part.

I decided to discuss a timely subject called "materials crunch". The Association of General Contractors proposes the following items to help alleviate material crunching

1. Use performance specs
2. Hold pre-bid conferences
3. Be prepared to go to contract in 15 days or less after receiving bids.
4. Set aside a special period for pre-construction planning
5. Loosen up contract provisions to permit paying for stored materials
6. Be flexible on substitutions
7. Use regional sources of supply
8. Set completion time realistically

cont. pg. 6

**REACT**

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**dues increase****voted down**

Following is a memorandum from our National President, Larry Dean, which he sent to the Board regarding dues increase defeat and the future of CSI. It is now time for the silent majority to come up with well thought out, constructive suggestions and plans, as they relate to upcoming activities within CSI. Make known your comments, etc. to Ken Searl, Larry Brown or Jim Balhiser TODAY. Let's continue to be an organization of ACTION in lieu of REACTION.

The membership has spoken. Defeat of the proposed dues increase was disappointing to say the least. The resounding defeat bordered on shock. 2,349 (44%) voted in favor, and 2,987 (56%) were opposed, far short of the two-thirds majority required.

But my purpose is not to recite ballot statistics. I want to convey to you my concern that we react with wisdom and patience. Above all, we must demonstrate our collective levelheadedness and avoid any tendency whatsoever towards impulsive reaction.

On the positive side, as early as April, 1974, a serious cash flow problem was foreseen. Following the audit of last fiscal year, we performed massive surgery on the budget for the current year to the tune of about \$300,000 in cutbacks. I believe it is a testimonial to our fiscal management that we have not been forced to obtain short-term loans to cover cash flow.

True, we are financially living hand-to-mouth but we are hanging in these despite a disastrous national economy which has slammed the construction industry probably worse than any other major industry in the country.

We have two specialized groups of experts personified in the Finance Committee and the Long-Range Planning Committee. We as a Board must look to these gentlemen for their advice at our meeting in June.

Again, the substance of this message is to urge that we remain calm and continue to seek the advice of those who have been acting in our behalf with such great effectiveness this year.

Yes, I do have certain ideas for further cutbacks in the face of continuing inflation which is not going to go away. I intend to take certain actions that are within my purview as President and refer other suggestions for your deliberations. In any event, I will keep you informed completely.

Repetitious as it may be, now is the time when we must hang together with strong bonds of wisdom while demonstrating sound responsibility as the governing body of the Institute.

**puget sound****activity**

The Puget Sound Chapter is planning to sponsor two mini seminars on Estimating and Valve Engineering.

If you are interested in attending or have input, contact:

Mr. James Adkins, President  
CSI Puget Sound Chapter  
% Wright, Gildow, Hartman & Teegarden  
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## new statewide plumbing code

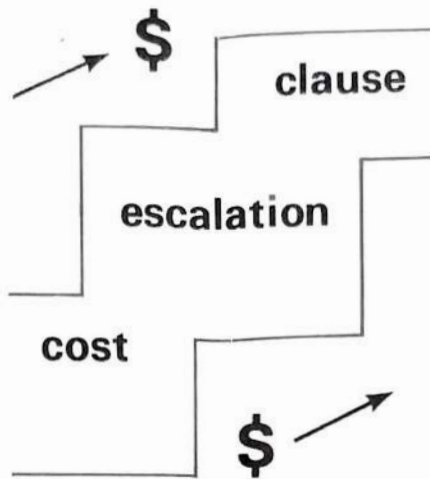
A new statewide Oregon Plumbing Specialty Code became effective February 1, 1975. The new code and administrative rules were adopted following public hearings in August. The new regulations will supersede and replace the existing Oregon Plumbing Code and all local plumbing codes. The basic document is the "Uniform Plumbing Code" published by the International Association of Mechanical and Plumbing Officials, 1973 Edition.

Adoption of the new code brings plumbing under provisions of Senate Bill 73 (Chapter 834, Oregon Law 1973).

Official notification and certification was sent to all local governments in early January. The department has printed Oregon Amendments and Oregon Administrative Rules similar to the way Uniform Building Code Amendments were printed last year. Amendments are arranged to fit a 6-ring looseleaf binder. The Building Codes Division has available a special order of looseleaf copies of the Uniform Plumbing Code, The UPC, Oregon Amendments and related Administrative Rules fit into one cover. The binder is the same size as the old Oregon Plumbing Code cover. This provides a complete package in one book; all items may be obtained by pre-paid order from the Building Codes Division at the following prices:

Uniform Plumbing Code	\$ 7.00
Oregon Amendments and Administrative Rules Binder, flexible cover	\$ 1.50
Combined package	\$ 1.60
	\$ 10.00

The bound volume edition of the UPC, 1973 Edition, may be ordered directly from IAPMO, 5032 Alhambra Avenue, Los Angeles, CA 90032. A looseleaf edition is not available there. The IAPMO price is \$7.00 to members and \$8.00 to non-members.




Most, if not all, of the major manufacturers of roofing materials have recently announced that materials will be billed at the price in effect at the time of shipment. Price protection and advance notice of price increases are out. This change could easily result in disastrous financial consequences to your business. How do you figure material costs in a bid you're submitting next Monday for a job to be performed in four months? If you fail to correctly estimate cost increases in your bid, material costs at the time of performance of the job could result in a sizeable loss on that job. If you over-estimate future cost increases for materials, you'll probably never get the job as your bid will not be competitive.

The best possible solution is inclusion of a cost escalation clause in your proposal and the job contract. A suggested escalation clause is enclosed with this letter. As you will note, the clause contemplates making price adjustments only on asphalt (or pitch), felt and insulation. These materials generally comprise in excess of 90% of material costs for a built-up roof. The material cost itemization portion of the clause will furnish your customer with specific information as to direct material costs included in your proposal.


(cont. pg. 4)

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new electrical code

The National Electrical Code, 1975 Edition, has been adopted as the Electrical Specialty Code for the State of Oregon. Effective date is March 1, 1975. Copies are available at Building Codes Division offices in Salem and Portland. The NEC was adopted after public hearings in January. The most controversial change requires an outdoor receptacle connected to a ground fault interrupter. The NEC was adopted in Oregon with no significant amendments.

\*\*\*\*\*  
If you think talk is cheap,  
try getting some legal advice  
\*\*\*\*\*

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292-1955

november 11 meeting

Place To be announced  
Theme: Division I

Chairman: John Crook

MUTUAL  
MATERIALS

DEXTER WALTER  
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Res. 233-8247



(cont. from pg. 3)

The cost escalation clause must be included in the job contract. You should explain how the clause operates to your customer, whether the owner or general contractor. Emphasize that without the clause, it will be impossible for you to bid on the job and explain why — that there is no way for you to reasonably anticipate cost increases; that you don't want to lose your shirt on the job nor do you wish the customer to pay more than he should. You should also emphasize that the effect of the clause is nothing more than a dollar for dollar pass-through from you to your customer of material cost increases charged to you, without addition by you of overhead and profit on the cost increases.

The enclosed clause does *not* cover labor costs. You must continue to anticipate labor cost increases in your bids as in the past.

The price herein stated is based upon prices (including freight) for component materials in effect as of the date of this proposal, as hereinafter itemized. If, at any time prior to the completion of performance of the work to be performed hereunder, any of said material prices shall be increased or decreased, then in respect of any of said work performed thereafter there shall be a corresponding (dollar for dollar) increase or decrease in the prices herein stated.

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  - b) price per ton
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2. FELT
  - a) quantity to be used \_\_\_\_\_ rolls
  - b) price per roll \$ \_\_\_\_\_
  - c) cost of felt \$ \_\_\_\_\_
3. INSULATION
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**editors remarks**

HAPPENINGS

EVENTS

(BY YE OLD EDITOR)  
DON WALTON

**personal notes**

Laurence (Larry) Arnold, AIA/CSI, has completed his activities with Cassaday & Assoc. in Vancouver. We understand he is contemplating establishing his own practice. Larry lives in Portland at: 4031 SW Condor Ave — Portland, Or 97201. Phone — 248-0151.

Dennis Obert has completed the projects he was involved in at Jensen, Krause & Schoenleber, Architects. We understand he is now among the unemployed. We know a man like this will not remain in this "status" for long. If interested call Dennis at 292-1955.

Jim Luey of Hewlett, Jamison, Adkinson & Luey was the winner of the drawing for the Rodda/Rainguard Booth at the CSI Products Fair. He received three books, i.e. *Through the Crust of the Earth*, *The Great Northwest* and *Lure of the Great West*.

**upcoming election  
of board members**

Around the first week of April ballots will be mailed to all members of our Portland Chapter to vote on three positions to our board. We will have one Industry and two Professional positions open. The candidates for the Industry position are: Tom Shea, Herman Ford and Ted Brown. The candidates for the Professional position are: Alton Hooten, Rod Moorman, Jim Wright, Tevlin Poneck and Don Ashon. Be thinking of who you wish to represent your chapter on our Board of Directors. You will be asked to mail your ballot back as directed or bring it to our April 8th meeting.

**c.s.i. master spec**

CSI National is looking for response from the membership on the development of a "COMMERCIAL MASTER SPECIFICATION SYSTEM". This program would be a self sustaining program, sponsored by the Industry and Professional subscribers. It is projected to be a ten year program development which would then become on-going indefinitely. You now have a chance to react and give your input, pro or con, on a program of this type. Don't wait until something is resolved and then react, from a critical or reactionary position. Call or write Larry Brown or Jim Balhiser (see front cover for phone) and give them your input. They need your input NOW!

**upcoming  
conferences**

C.S.I. 19th ANNUAL NATIONAL CONVENTION AND EXHIBIT  
New Orleans, Louisiana  
June 23-25, 1975

C.S.I. NORTHWEST REGIONAL CONFERENCE AND EXHIBIT  
Anchorage, Alaska  
Late August or early September  
Exact dates to be announced

If you plan to attend either or both of these conferences please contact Ken Searl immediately as travel reservations, (airplane group fares, hotels, accommodation etc.) are now being firmed up by Tom Mathews, Travel Agent. You are also asked to call Tom Mathews if you have any questions or would like additional information, his phone is 236-6759.

**c.s.i. 19th annual  
national convention  
and exhibit**

New Orleans, Louisiana  
June 23 — 25, 1975

The complexity of the problems created by economic recession, energy crises, and a nation plagued with problems throughout the construction industry has intensified the need for firm, positive and unified leadership in virtually all phases of industry and government. The Construction Industry is no exception. While our national and economic woes directly influence all aspects of our industry the success or failure of those who seek to

make their living within the construction disciplines is further complicated and perplexed with concerns of an equally universal nature—a lack of coordinated information, misunderstood communications, ambiguities, duplicity of forms and a documentation, lack of organization—in short, the lack of a unified construction communication and documentation program.

For 27 years CSI has been dedicated to resolving individual parts of this problem and assuming leadership in the area of construction documentation. CSI has been emerging as an organization capable of overcoming the self destruction and debilitation of the industry, caused by unguided uncoordinated efforts of partisan or unilateral interests. CSI can provide the construction industry with an organic unity—an acknowledged leader—a clearinghouse—a *place where problems are solved*.

The 1975 convention is structured to identify and update CSI's credentials to lead this effort within the fragmented construction community. CSI's greatest attribute—the diversity of its membership and the use of these diverse backgrounds and interests—is ideal for arriving at equitable and workable solutions of mutual problems. The technical program of this convention focuses on solutions to problems, ranging from the industry-wide need for a single responsible source for construction information, to the identification of costly ambiguities and omissions and the coordination of work items in construction specifications.

As an added feature this year, Technical and Education Forums provide CSI members with an opportunity to exchange information and discuss mutual problems—and their solutions—related to chapter activities and Institute programs; thereby further strengthening the leadership of CSI through closer coordination and a unity of effort in chapter, regional, and national technical and educational activities.

We are confident that members and potential members attending this Nineteenth Annual CSI Convention and Exhibit will leave with an increased capability to function:

- more efficiently and economically in their particular discipline.
- more effectively as a member of CSI, and
- more understandingly as a participant in the construction process.

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*pres. col. from pg. 1*

In my opinion most of the above items are fine and heartily recommend their usage. Items 1 and 6 should be given a lot of thought before adopting. These items are actually closely related. A performance spec sounds like a wonderful thing and appears to hold great promise, but look out for loopholes lurking in the background. A performance spec under certain circumstances can get an inferior product not at all what the spec writer really had in mind.

Being flexible on substitutions opens up another can of wiggly worms. It seems to me if you go with a performance spec and it doesn't work you needn't worry about substitutions because all you are going to get is cheap crap any how that will probably hold up one to three days longer than the year guarantee.

If you use a descriptive or brand name or names then why be flexible on substitutions? Usually going flexible at this point gets you the cheapest item manufactured by El Crappo Company of downtown Burbank or some other far away exotic location. Now don't get me wrong — do consider substitutions but investigate thoroughly because every now and again one of them turns up to be an excellent product.

In closing there is one thing I feel very bullish about, and this is using the words "or equal" or "approved equal" in your specs. My advice is never use them. Use words such as "or approved" or "architect approved". These words gives the architect and specifier control of product substitution without having your neck stuck out the proverbial ten feet.

Also in closing, I hereby insert standard weasel clause, i.e., the statements and opinions listed above are my own, made under no coercion and in apparent sound mind and do not necessarily reflect the opinions of the Construction Specifications Institute, my employer or my wife.



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# the predicator

portland chapter



vol. 14, no. 10 construction specifications institute may, 1975

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Circulation	Lee Kilbourn
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## Take Me to Your Leader northwest section region 12 officers

Region Director	James K. Balzhiser	503-686-8478
Section Director	Alan (Larry) Brown	503-620-1014

### PRESIDENTS PERSONAL COLUMN KEN SEARL C.S.I.

First of all, does anyone out there want to run for Regional Director to replace Jim Balzhiser whose term will be concluded next July first? If you would like to be considered or know of anyone, contact any of the officers of the Portland Chapter and give us the word.

You may have noticed that the new chapter roster has been sent out in two parts this year. One issue has only industry members showing their classification or classifications. You will note some of the rascals wear many leodoras. The second issue lists everyone including junior members, etc. Thanks to Ken Hankins and Lee Kilbourn for getting out all this info, also, I got in a few licks myself. When I ran the last issue through our postage meter nearly half of them would not seal in the sealer part of the meter. I can tell you right now after about twenty or thirty envelopes your tongue should get a purple heat for bruises and dryness.

By now you should have made up your mind to attend the convention in New Orleans. If you haven't, it isn't too late. Give it some deep consideration. Also, the dates for the regional conference in Anchorage have been changed to August 21, 22, 23, which should be good weather. As one of our local merchandisers says, "I'll see you at one or the other" (plus hopefully both).

Last but not least as they say, only I'll be darned if I know just why the Portland Chapter has been whipping up under the direction of Board Member Jim Grady a standard "substitution request form" which will be used with specifications by a large percentage of the local spec writers. As soon as it is determined everything has been revised satisfactorily, copies will be printed and a supply will be sent out to builders exchanges, etc.

Ken L. Searl

UPCOMING  
UPCOMING

UPCOMING

## UPCOMING EVENTS (Mark Your Calendar) PORTLAND CHAPTER MEETING

### may 13 meeting

Ramada Inn, Portland Center  
5:30 No-host Social Hour  
6:30 Dinner  
7:30 Program — TEAM APPROACH TO FINANCING  
CHAIRMAN: Tom Shea, Madden Const. Supply  
Presentation by Mr. John Bonnay, 1st Vice-Pres. First National Bank of Portland (income properties department)

RESERVATIONS MUST BE CALLED TO KEITH SCHABER 228-6411 PRIOR TO MAY 9, 1975  
COME FOR THE PROGRAM IF YOU DON'T WANT DINNER

### june 10, 1975

Theme: AGENCIES  
Presentation by James Hall (Philip Thompson & Assoc.) and panelists from major agencies  
Time & Place: To be announced

### september 9, 1975

Theme: Computerized Specification  
Chairman: Mary Alice Hutchins  
Time & Place: To be announced

### october 14, 1975

Joint meeting with Structural Engineers Assoc. of Ore  
Time & Place: To be announced

### november 11, 1975

Theme: Division I  
Program: John Crook  
Time & Place: To be announced

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## proposed bylaws amendment related to realignment of region / section boundaries

### Background

Institute procedures require review of region and section boundaries at five year intervals. Such a review with the findings and recommended changes were presented to the Board at their January 1975 meeting in Washington.

An Ad Hoc Committee had prepared a comprehensive study and a series of recommendations for Board consideration. The study involved acquiring extensive information and advice through the medium of a questionnaire sent to many members throughout the country.

The Institute Bylaws state that "regions and sections (boundaries) shall be established by the affirmative vote of not less than two-thirds of the membership of the Board." Fulfilling that responsibility in a vote of 23 in favor, 2 opposed and 1 abstention, the Board approved realignment of boundaries as shown on the map. The new areas would be:

Region	Section	Chapters
1	Northeast	15
2	Central Atlantic	13
3	Southeast	15
4	Gulf States	12
5	Great Lakes	15
6	North Central	14
7	South Central	13
8	Southwest	7
9	Northwest	6
10	West	15

The realigned boundaries would provide the same geographical area for each related region and section with representation on the Board by a region and a section director, an improved balance in the number of chapters for most areas except for two which are less densely populated, more evenly distributed workload among all directors, and enable better communications between chapters and their representatives on the Institute Board.

The major changes involve combining the *present* Regions 1 and 2 less the southern portion of New Jersey and creating a new section for the same area, adding the southern portion of New Jersey to the *present* Region 3, transferring the western portion of the north Florida *panhandle* to what has been Region 5/Gulf States Section, combining the *present* Regions 7 and 8 for a new single region and section, and dividing the *present* Southwest Section into two Sections.

### Proposed Bylaws Amendment

The Board would remain at the same total size with *professional members continuing to hold majority representation*. In order to implement the described boundary changes, however, the number of regions would be reduced from twelve to ten and the number of sections increased from eight to ten which require amendment of the Institute bylaws. The related proposed bylaws amendment will be mailed thirty-five days after this issue of the Newsletter has been distributed.

### Transition

If the Bylaws amendment is approved, a phased implementation schedule will be developed to assure smooth transfer of authority. The total transition period could involve as much as two years. The phasing schedule will be completed in sufficient time for early consideration by the appropriate Region and Section Nominating Committees in their selection of nominees who must be reported to the Secretary by November 1, 1975.

For further information, *other than the phasing schedule*, please contact your Region or Section Director.

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**csi  
and  
professionalism  
philip  
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Someone once told me that anyone who was smart enough to write specifications was too smart to write specifications. At first this sounded like a typical New York wise crack; but the more I thought of it the more truth I found in it.

On the one hand there is the obvious truth that specification writing in addition to the professional and technical proficiency is a painful and very difficult discipline, requiring deep concentration and unrelieved maximum effort throughout the entire process. There is no such thing as casually writing a specification, without involving all one's abilities to the limit. No matter how long one has been writing specifications, each new one requires the same intensive effort and induces the same strains. At the end of the process, mixed with the feelings of elation, pride, relief, and so on, is the feeling that you have been partially used up, somehow depleted. (Perhaps specification writers should be entitled to a depletion allowance, similar to an oil depletion allowance.) In any case, the tension and strain are so severe that many who are smart enough to write specifications are smart enough to realize that the rewards in proportion to the input, whatever those rewards may be, are greater in other areas of practice, and apply their abilities elsewhere.

A second meaning is the attitude held by many that anyone who is smart enough to write specifications is too smart to be wasted on specifications, and should apply his abilities to more important areas of practice. Thus people who could be specification writers are channeled into various other activities.


*Both of these attitudes produce the same result*

A shortage of competent specification writers. Both of these attitudes are in turn the result of a general failure in the profession as a whole to realize fully the importance of specifications in the design-build process, and the consequent too-low status and recognition of specifications and specifiers.


In my opinion CSI, both on the national level and on the chapter level, bears a large measure of responsibility for the persistence of this lack of sufficient status and recognition. I do not mean to suggest that CSI has in any way denigrated or otherwise lowered specifications of specifiers. On the contrary, by virtue of its efforts and the very fact of its existence and growth over the past 20 some years, status has increased considerably. There has been undeniable progress in recognition of the place of specifications, and considerable improvement in the quality of specifications generally. The specification writer, too, has changed, and is now usually a professionally trained person with a high level of specialized skill. However, if the name of the game is status and recognition, and the score card financial reward, it would seem to me that we are still in the bush league. It is in this area, I feel, that CSI has been remiss. In addition to its efforts in upgrading the quality of specifications and improving specifications practices, CSI should be working to improve the lot of its members, both professional and industry, by consistently bringing to the fore in various ways the importance of specifications and the qualities and qualifications of specification writers.

I do not mean that we should become a trade union, or even a special interest pressure group to promote our narrow self-interest. No, not at all. I mean instead that as a professional society we should strive constantly to bring to the attention of the entire profession the value and importance of our unique contribution to the design-build process, and the high levels of our abilities and skills.

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LEE A. KESWICK  
SALES MANAGER

## 75 new orleans june 23-25 jackson square

New Orleans, La., one of the most unusual and entertaining of all U.S. cities, will host CSI's 19th Annual Convention and Exhibit June 23-25. Famous for its night-life, carefree people, Creole food, architecture and history, New Orleans is one of the most exciting convention cities — perfect for the CSI family-style gathering.

New Orleans' French heritage dates back to the 17th century when La Salle claimed the entire area of the new world for King Louis XIV of France in 1682. In spite of malaria, floods and hostile Indians the city continued to expand and in 1731 became a French Crown Colony under Louis XV.

In 1812 Louisiana was admitted to the Union, the same year war broke out between the United States and Great Britain.

In the years since the War of 1812, New Orleans has survived the Civil War, one of the most severe hurricanes to hit any American seaport and a devastating influenza epidemic which killed 35,000 of her people.

Today New Orleans is still the second largest U.S. seaport, is a major tourist city, has a rapidly growing population and is still enjoying millions of dollars in new construction. The rich traditions of New Orleans are unique in the United States and blend beautifully with the concept of a family oriented convention. In addition to the many busy activities of the CSI Convention and Exhibit, plenty of time will be available for memorable family sight-seeing as well as exciting adult evenings on the town.

The French Quarter has more to see than most can absorb. For example, the Merieult House is one of the few original New Orleans homes to escape the disastrous fire of 1794. There is the Casa Faurie, today a world famous restaurant. This mansion was built in 1801 for the maternal grandfather of the French impressionist painter, Edgar Degas. In fact there are dozens of such structures showing the elegant Creole architecture of New Orleans in the French Quarter which are available to visitor inspection — a rare treat back into a much different world of American history.

The French Quarter also reflects the curious opposites of New Orleans' life. Within one block of one another is the

St. Louis Cathedral — the oldest Catholic Cathedral in the United States; and the Salle d'Orleans, erected in 1817. This magnificent ballroom was the setting for naughty-nice quadrone balls, where mothers would offer their young daughters to the aristocratic young men of the city as concubines, setting the girls up for life in a little house in a special section of the city just a few blocks away.

On your visit to New Orleans you can also see Antebellum plantations now converted into museums, showplaces or magnificent restaurants. Many of these plantations are along the famous Mississippi River levees. There are also river boat tours through the Bayou country and another cruise along the New Orleans river front which makes a stop at the Chalmette Battlefield where General Andrew Jackson stood firmly during the Battle of New Orleans.


But perhaps the most memorable event to the Creole city is the most odd. The sights and sounds of 726 St. Peter Street — the home of Preservation Hall. What you will find here is the best in Jazz from musicians who were born about the same time as Jazz — 1890 or so.

Preservation Hall is something you must experience to believe. It was probably a tavern — at best — during the War of 1812. It hasn't changed much since. There are no chandeliers or glamorous lights — just plain floors, loose boards in the sides and roof, old benches and kitchen chairs, and a wicker donation basket sitting lazily by the front door. When the musicians aren't at Preservation Hall they are playing at dances, parties, parades, christenings and funerals.

The Preservation Hall Band — one of the many treats of New Orleans. You will find that fame hasn't spoiled Preservation Hall or this famous, historic, rebel city of American history.

Be sure you make the 19th Annual CSI Convention and Exhibit part of your 1975 business and family plans.

Seattle — (206) 284-7160



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**editors remarks**

HAPPENINGS  
EVENTS  
(BY YE OLD EDITOR)  
DON WALTON

**new predicator  
staff solicited**

With the completion of our June issue your Predicator staff will have completed their first year. You will not receive the Predicator during July and August.

Starting next fall we are looking for people interested in filling the positions of Editor, Assistant Editor, Advertising, Circulation, Mailing and Roster positions. If you are interested contact your present editor or Lee Kilbourn. Your activity, *I know*, will be as rewarding as your efforts.

I (as your retiring editor) want to take this opportunity to thank *all* on the Predicator Staff for their whole hearted support and work. The nice comments and support from members in our chapter have been greatly appreciated. I know your staff for next year can count on your continued support.

Have a most enjoyable summer

Don Walton  
Editor

**personal notes  
rudat, boutwell  
& partners**

The Portland architectural firm of Rudat, Boutwell and Partners has appointed three new associates, Henry P. Bergman, Harold W. Bahls, Jr., and Stephen W. Domreis.

Burr Boutwell, managing partner, said the three men have been with the firm since 1973 as designers and project managers.

Boutwell also announced that Fred Rudat, a principal in the firm since it was founded in 1969, has withdrawn from active participation.

The name of the firm will remain unchanged, for the present, Boutwell said.

**board of directors  
meeting —**

**march 20, 1975**

**dekum building,  
portland, oregon**

Ken Searl, President, reported on telephone call from section director, Jim Balzhiser. He had just met with Anchorage, Alaska Chapter — slow start but off for regional meeting August 21, 22, 23, 1975.

Dexter Walter reported \$330.00 earned from Products Fair; four applications in to institute.

Larry Arnold reported on Products Fair (with accolades from Ken Searl). \$877.25 "Thunderbird" billing okayed. Apparently room comes free with goodies. Mailings: AIA and H.B.A. good lists — attendance from these. Recommended omitting engineers mailing. Larry will be submitting guide lines to board. Mannan was very pleased; conversation on timing, etc. Lee Kilbourn, as non-board member, suggested we use the profit and ship Larry or Tom or Keith to Seattle (May) or San Francisco (now) Products Fair. Suggestion, non-members be charged membership above member cost.

Keith Schaber presented four applications for approval — two juniors: Larry Barger, Richard Logan, Stan Nelson (mailed to institute), Gordon Burke.

Lee gave Keith updated mailing list to 620 of which 150 are Portland members (All CSI members in state of Oregon).

Nominations: Ballots needed. Current roster was given by membership chairman (Keith) to Ken Searl. Have to be to membership two weeks prior to April meeting.

Jim Grady presented substitution request form. Changes to new form will be furnished later. Lee recommended this document series unique to Portland chapter and should develop a numbers system. Grady asked what to do next.

New Orleans, National Convention. Pay deposits by April first with Tom Mathews. Anticipated to go are Searl (2), Todd (2), Smith (2), Mohr (2), Kilbourn (2), Marge Largent (2), Mary Alice Hutchins.

Marge Largent discussed May as dinner meeting. Keith will be responsible for head count; River Queen recommended.

Ken Searl asked to speak to Columbia ICBO — "Adaptation of the State of Oregon to the Uniform Building Code in the Writing of Construction Specifications".

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C S I 19th ANNUAL NATIONAL  
CONVENTION AND EXHIBIT

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**grover poust joins  
meriwether, inc.**

Portland, Oregon, Grover Poust, long associated with structural building system engineering and sales in the Northwest has joined Meriwether, Inc. and will be responsible for the firm's marketing of steel and wood structural systems for industrial and commercial construction, according to J.T. Fifer, President of Meriwether.

Meriwether, now a 9-year old company, has recently begun marketing Boise Cascade Glulam beams and laminated decking. Since its early days, the company has represented Armco Steel, ASC Pacific, Wheeling Corrugating Company, Tate Architectural Products, Fisher Skylights, and numerous other manufacturers of structural and architectural products for the construction industry.

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**american plywood  
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offers updated  
specifications**

A revised Plywood Design Specification and three new supplements are available from the American Plywood Association.

The 30-page specification contains new section properties and recommended design stresses for plywood.

Supplement 1 presents working stresses and design ideas for plywood curved panels in 10 clearly illustrated pages. Special attention is focused on types of curved panels and test data.

Plywood beams are covered in Supplement 2, a 16-page booklet which includes general information on glued beam fabrication and testing.

Working stresses and designs for flat plywood stressed skin panels are offered in the 20-page Supplement 3.

In 20 pages, Supplement 4 covers construction details on plywood sandwich panels.

Data presented in all five specifications is in accordance with PS 1-74.

For free single copies of the new specification and supplements, write the American Plywood Association, 1119 A Street, Tacoma, Washington 98401. Request the publications by form number PDS Specification (Y510), Supplement 1 (S811), Supplement 2 (S812), Supplement 3 (U813), and Supplement 4 (U814).

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# the predicator

portland chapter



vol. 14, no. 11 construction specifications institute june, 1975

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## Take Me to Your Leader

### northwest section region 12 officers

Region Director	James K. Balzhiser	503-686-8478
Section Director	Alan (Larry) Brown	503-620-1014

UPCOMING

UPCOMING

UPCOMING

## UPCOMING EVENTS (Mark Your Calendar) PORTLAND CHAPTER MEETING

### June 10 meeting

Theme AGENCIES  
NECA Bldg 601 N E Everett  
7 30 p m — meeting only  
Chairman Jim Hall, planner w/ Philip Thompson & Assoc. will present a clear path through the network of "AGENCIES" that slow down the permit-processing of Construction plans. Helping to clarify and simplify this process will be:  
A Deputy Director of HUD  
Exec Assistant to Governor Straub  
Larry Rice, Director of CRAG  
Martin Crampton — Multnomah County  
Somebody from — City of Portland

### happy vacationing — July & August

### September 9, 1975

Theme: COMPUTERIZED SPECIFICATION  
NECA Bldg. 601 N E Everett  
7 30 p m — meeting only  
Chairman: Mary Alice Hutchins

### October 29, 1975

Joint meeting with Structural Engineers Assoc. of Oregon  
Imperial Hotel, Broadway & Stark  
6 00 Social Hour  
7 00 Dinner  
8 00 Program-panel discussion "WHY SPECS FAIL" organized by Dick Cason, STHO & Lee Kilbourne, CSI

## PRESIDENTS PERSONAL COLUMN KEN SEARL C.S.I.

This month is National Convention time at New Orleans. It appears that four couples are going from our chapter. Waltons, Searls, Kilbourns, Hutchins and Largent. My wife, Wilma, and myself, have tickets for a night at the races on Tuesday night at Jefferson Downs. Now if any of you want to send any horse betting money along I'll be glad to invest it on a worthy nag.

For those of you who couldn't go to New Orleans, please consider going to Region 12 Conference in Anchorage, Alaska, on August 21st through 24th. Conference theme is "Oil and Igloos". I understand they turn the igloo upside down for storage of oil. (Note to Kit Duke and Ron Campbell: It's a joke on my part because I have heard you really don't have igloos anymore.)

Another item of importance is that we need help publishing the *Predicator*. Anyone out there who would like to become an editor or assistant editor, please stand up and be counted or at least wave a finger our way and we will dash over and meet you more than half way.

During the months of July and August there will be no regular meetings and no publication of the *Predicator*. We will see you all next September for our first meeting of our new fiscal year. In the meantime keep an eye out for prospective members and sign them up. Dues for forthcoming year are still \$70.00 regardless of what information you may have heard to the contrary.

Ken L. Searl President

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**region 12 c.s.i.  
conference  
anchorage, alaska  
august 21st through  
august 24, 1975  
theme: oil and igloos**

The conference theme has two general topics.

1. Energy Sources  
Solar  
Wind  
Tidal  
Geothermal  
Oil  
Fossil
2. Energy Conservation  
Life cycle costing  
Total energy  
Fast track/construction management processes

Alaska is a unique location to host a seminar on these subjects. Alaska currently has in operation, under construction and out to bid projects utilizing all these energy sources and conservation methods. These are projects which our panelists will be able to present during the conference. Our featured speaker, William Wayne Caudill, is the author of the much discussed book *BUCKET OF OIL*. He has authored articles and the work of C.R.S. has been featured in many National Journals.

The local office of the Federal Energy Administration and The Alaska Energy office is working closely with The Alaska Chapter on this conference in providing panelists and program information.

The committees organized under the very capable direction of Kit Duke, Project Planner for the University of Alaska are

Steering Committee:

**CHAIRWOMAN** Kit Duke 279-2482  
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Ron Campbell  
Ken Flannigan  
John MaGee  
Bob Otis  
Harley Hightower  
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**SPOUSES ACTIVITIES COMMITTEE**  
**CHAIRMAN** Andras Nagy 272-3567

**SPECIAL EVENTS**  
**CHAIRMAN** To be announced (Based on registration demands)

**BUDGET & FINANCE COMMITTEE**  
**CHAIRMAN** John MaGee

**GRAPHICS COMMITTEE:**  
**CHAIRMAN** Ralph Alley

The committees are working hard on the program, tours, etc. The tentative schedule is as follows:

**THURSDAY: AUGUST 21st**  
4 00-6 00 p.m. Registration  
4 00-6 00 p.m. Chapter President Meetings  
6 30-8 00 p.m. Host Chapter cocktail party  
8 00- Free evening, select a dining place from recommended list.

**Continued Pg. 4****Your money matters.  
Use yours for all it's worth.****United States National Bank of Oregon**  
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# 75 new orleans june 23-25 jackson square

## general information

The preregistration package was mailed during the week of February 17th. All convention hotels have a cut off date for CSI occupancy of June 9th. It is suggested that hotel reservations be made as soon as possible.

Each seminar session taped and the cassettes available for purchase immediately after each seminar in the registration area at The Rivergate. Watch for the ad in the April issue of the CS. This presents an ideal opportunity for a permanent record for your personal file and to use as information in a chapter program.

If you plan to attend this conference please contact Ken Searl immediately as travel reservations, (airplane group fares, hotels, accommodation etc.) are now being firmed up by Tom Mathews, Travel Agent. You are also asked to call Tom Mathews if you have any questions or would like additional information; his phone is 236-6759.

## the garden district

From its very beginning the Garden District was the address to have. The rich Americans who built there after 1840 liked the Garden District for its greenery, its accessibility to town on the railroad that ran along Nayades Street (now St. Charles Avenue), and mostly because it was far away from the French-speaking Creoles who lived in the French Quarter.

The land above Canal Street (upriver) was divided into farm holdings (or Faubourgs) and was sparsely settled in the early 1800's. When the Americans and Creoles balked at living in the same place, two promoters named James H.

Caldwell and Samuel J. Peters decided to develop an American section. In 1822 they decided to try for the land below the French Quarter, the Faubourg Marigny, owned by one Bernard de Marigny.

Marigny was rich, he was Creole, and he was known as the man who brought the game of craps to America. He also disliked Americans, so he refused to sell to Caldwell and Peters.

So, they looked to the other side of the French Quarter, to Canal Street and beyond. And they made some deals and began developing the first area, the Faubourg Ste. Marie. As the development continued, more businesses moved in and the Wealthy Americans moved farther uptown. Today the Faubourg Ste. Marie is in the business district, and the few remaining town houses are tenements or commercial buildings.

The Garden District starts at Jackson Avenue and stops at Louisiana Avenue, a distance of less than fifteen blocks. From St. Charles Avenue the Garden District extends to Magazine Street, toward the Mississippi River. Anything closer to the river or nearer downtown is usually called the Irish Channel, because of the Irish immigrants who settled there in the 1800's.

The Garden District was once part of the Livaudais Plantation. In the 1820s, there was a terrible flood, and the Livaudais were left with ruined crops and acres of river silt. The silt made the land higher, and so it was decided to develop it for residences.

The Americans began moving in. They spared no expense on their homes; they planted gardens and left space for wide lawns. Today the area is a monument to their foresight. Shaded streets, live oaks, magnolias, camelias, palm trees and all manner of greenery make the Garden District live up to its name.

The style of the Garden District homes falls somewhere between Newport robber baron and Southern planter, the Victorian Age and the Louisiana style combined.


*Continued Pg. 4*

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LEE A. KESWICK  
SALES MANAGER

From Page 2

From Page 3

## region 12 c.s.i. conference anchorage, alaska

FRIDAY AUGUST 22ND  
 9 00-Noon Registration Seminar  
 12 00-1:30 p.m. Lunch, Speaker?  
 2 00-5 00 p.m. Tour of Anchorage bowl  
 Arrive Stuck-Again Heights  
 Activity  
 6 30-7 30 p.m. Cocktails  
 7 30- Dinner (Alaskan Foods) & Entertainment

SATURDAY AUGUST 23RD  
 9 00-10:30 a.m. Region 12 business  
 10 30-10:45 a.m. Coffee break  
 10 45-Noon Business cont.  
 12 30-1 30 p.m. Lunch  
 2 00-5 30 p.m. Session  
 6 00-7 00 p.m. Cocktails  
 7 30- Awards banquet  
 Industry host party

SUNDAY: AUGUST 24TH  
 9 00-10:30 a.m. Breakfast  
 10:30-11 00 a.m. Chapter President Meetings  
 11:00-12:00 Region 12 business if required

### rules

## for a perfect day

JUST FOR TODAY I will be happy. This assumes that what Abe Lincoln said is true, that most folks are about as happy as they make up their minds to be. Happiness is from within — it is not a matter of externals.

JUST FOR TODAY I will adjust myself to what is and not try to adjust everything to my own desires. I will take my family, my business, and my luck, as they come, and fit myself into them.

JUST FOR TODAY I will take care of my body. I will exercise it, care for it, and nourish it, and not abuse it nor neglect it, so it will be a perfect machine for my will.

JUST FOR TODAY I will strengthen my mind. I will learn something useful. I will not be a mental loafer all day. I will read something that requires effort, thought, and concentration.

## 75 new orleans june 23-25 jackson square

Victorian architecture you know about turrets and cupolas and gingerbread, vast rooms and dark woodwork.

The Louisiana style was dictated by the weather. Because of the possibility of floods, the raised cottage was popular. This put the living area on the second floor, the first floor being brick or plaster supports, suitable for storage but not enclosed rooms.

Because of the heat, the houses had covered porches or galleries, offering a shady place to sit and keep direct sunlight off the windows.

Also for coolness the houses had high ceilings, center halls (for a breeze), and shutters on tall windows. The thicker the walls, the cooler the house, so an eight-inch wall was not uncommon.

Louisiana architecture borrowed much from the West Indian culture. Both had the French influence. The style that evolved mixed well with Victorian. The cast iron on the balconies was really gourmet gingerbread.

For further information on New Orleans contact the Greater New Orleans Tourist and Convention Commission.

See you in New Orleans!

The codfish lays ten thousand eggs.  
The homely hen lays one


The codfish never cackles.  
To tell you what she's done

And so we scorn the codfish,  
While the humble hen we prize —


Which only goes to show you  
That it pays to advertise

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## editors remarks

HAPPENINGS  
EVENTS  
(BY YE OLD EDITOR)  
DON WALTON

AUFWIEDERSEHEN! AUREVOIR!  
ADIOS! ARRIVEDERCI! ADJO! ALOHA!  
ADEUS! FARVEL! SAYO-NARA! CIAO!

With this June issue we close our 74/75 year. I wish to thank ALL who worked with me this year on the Predicator. We had great support from our advertisers, chapter members and other interested people.

As this year draws to a close, I look back over this year to take a mental inventory of this year's achievements and failures. There are no exact rules to guarantee success, but I do present the following for your consideration.

- \* Love your work, for work will be a life-time partner
- \* Accept criticism as growing out of the desire to help
- \* Be considerate of the ambitions of others
- \* Never let first impressions fool you
- \* Generate all the enthusiasm for your work that you possibly can
- \* Make fairness one of the strong points of your relations with others
- \* Respect those who are superior to you
- \* Build self-confidence by doing everything right the first time
- \* Work in harmony with others

I hope to see you all in New Orleans June 23-25 for the National Convention and in Anchorage, Alaska for Region 12 Conference.

Have a most productive summer and see you again in the fall.

GOOD-BYE!

## Qualified Specifier?

Who is a "qualified" specifier?

According to CSI's Bylaws, one who has had 2 years experience writing specifications is eligible for Professional membership. But, so are those who "direct their writing or are concerned professionally with the preparation, interpretation and enforcement" of specifications and other construction documents. So, being a Professional member of CSI does not, per se, mean that the individual is a "specifier", much less a "qualified" one.

Is there a need for designation of individuals who are qualified as specifiers?

Well, in all the construction trades *journeymen* are differentiated from *apprentices*.

However, in other matters the construction industry has been notoriously slow to organize itself. There is no clear delineation between junior draftsman and draftsman, between draftsman and senior draftsman.

Codification of architect and engineer is a legal matter, established by state governments to protect the public safety, health and welfare. Since specifiers do not serve the public directly, there is no justification for legal jurisdiction over them.

In the related field of Finish Hardware, the American Society of Architectural Hardware Consultants has established eligibility requirements for consultants, administers training and educational programs, and conducts examinations for those who are interested.

Closer to our endeavor, the Specification Writers Association of Canada, an organization parallel with CSI, has a program of specifier accreditation with a written examination designed to disclose the applicant's ability to reason, to judiciously apply his experience, and to correctly use the language. Successful applicants become known as RSW (Registered Specifications Writer).

It would be helpful to both individuals seeking employment and firms seeking new employees, if there were an acknowledged basis for qualification in the field of specifications writing.

Some institutions of higher learning offer courses in this subject, but none offer a degree, so the only present basis for expressing one's qualifications is

number of years experience on the job — hardly very definitive. Two people with the same number of years experience can vary considerably in qualifications, knowledge and productivity.

What can be done? Who should do it?

Answering the second question first, the Construction Specifications Institute, as a national organization devoted to specification matters, should spearhead action in this direction. In recent years, CSI encouraged educational institutions to initiate courses of study in the technique and practice of specification writing.

Now, CSI should (1) establish criteria to be met by those who desire to be professional specifiers, (2) create a means for determining whether an applicant meets the requirements, and (3) maintain a register of those who qualify.

There are Certified Public Accountants... there should be *Qualified Construction Specifiers*.

Frederick W. Bucky, Jr.

—and—  
from my favorite  
specifier

## where is archy rep?

Not too long ago a rather strong parade of architectural representatives marched through the offices here and about. In that parade were good men representing good lines. And most importantly, there was usually more than one good rep in a given industry. Those were some good days. They would sell and compete and have a heck of a time over a job.

Then, almost without anyone taking notice, the membership diminished, slowly but surely. Then a curious thing happened. One good man, representing one good company, became the standard bearer for an entire industry. He talked you into using aluminum in lieu of steel or plaster instead of drywall or sealant versus caulking and his entire industry benefitted.

It seems that the rest of the manufacturers in a particular industry were playing a little game called "me too". The rules are simple: bank the salaries of your architectural reps, lower the price on your products, ride the coat tail of the banner carrier and win the cake walk.

Continued Pg. 6

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From Pg. 5

## where is archy rep?

I came to miss some of my old buddies and the hot competition we used to enjoy. But I still had one good man, always available, ever willing and knowledgeable. Then the circle began to close. The holdout firms started to say "how come we're selling putty for the entire industry?" And sure enough, they axed my only putty man, figuring they could play "me too" also. Trouble is, you have to have one strong player in the game or it doesn't work, and here lately some of our good players have been sent to the showers. Project this trend just a little and we're all in big trouble.

Today's building market requires more good reps, more product development and promotion, not less. It's difficult to explain to an owner or contractor that the reason you specified brand "A" is that they go the mile in research, development and technical assistance to their industry. The connection is a tenuous one, admittedly, but if we in the industry can't look out for our own and ourselves, I'm afraid we will soon find it difficult to be in this industry.

by Charles Williamson  
President, Atlanta Chapter

## rules

### for a perfect day

JUST FOR TODAY I will be agreeable. I will look as well as I can, dress as becomingly as possible, talk low, act courteous, be liberal with praise, and criticize not one bit nor find fault with anything — and not try to regulate or improve anyone.

JUST FOR TODAY I will have a program. I will write down just what I expect to do every hour. I may not follow it exactly, but I will have it as a pattern to follow. It will save me from two pests — hurry and indecision.

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