

COLORADO CHAPTER NEWS



January/February 1990

PRESIDENT'S MESSAGE

I would like to thank the chapter for having confidence in me and electing me President of the Colorado Chapter for 1990. The installation ceremony and dinner at this year's Annual Business Meeting was another success thanks to the efforts of our Past President, Noel Vargo and our hosts, Dan Nickle and Gerry George. It was also an honor to have as our guests; Brent Snyder, Chairman ICBO; Jim Bihr, President ICBO; Jim Singleton, ICBO Board of Directors and his wife, Fran; Tom Thompson, ICBO Board of Directors and his wife, Bev; and Char Vargo, Past First Lady of the Colorado Chapter.

Last year will be difficult to follow. Noel Vargo did a very good job as President of the chapter. The accomplishments of his term were outstanding. The chapter held its fourth successful Educational Institute thanks to the Education Committee. We received the Chapter Award of Excellence from ICBO and Tom Thompson was elected to the Board of Directors of ICBO. If it wasn't for Noel's leadership qualities and his friendly way of working with people, these achievements may never have happened. Congratulations Noel for a job well done.

I think Noel will agree that it was a great year because this chapter works so well together. That's what I am looking forward to in 1990. You will find the committee appointments for the coming year in this newsletter. Notice all of the new people on committees. One of my goals this year is to bring in new blood to our organization. I'm not doing this because I feel anything needs to be fixed, but because the sign of a good organization is the way it replenishes itself. By getting involved these new people will help our chapter grow, and who knows, one of the them could be writing this message some day.

The other area of importance this year is the ICBO Annual Business Meeting that we are hosting. Although the list of appointments for the 1990 ABM Committee may not have your name on it, I feel that every member of the chapter is part of that group this year. We will need as much help as we can get to make this conference the best that ICBO has seen. Let's not forget, however, that we also have another Educational Institute this year. I think Gary Goodell and the Education Committee will once again show that the door to education is still open via the Colorado Chapter.

In closing, let me say that we cannot stop our thinking in 1990. We must look into the future and decide which course to take during the next decade. So please help the Board of Directors and me in planning our future. If you didn't volunteer to be on a committee, please do so. There is still room on some of them. If you believe that there should be some new ones, please feel free to call me. I will be glad to speak with you about your ideas. It is going to be a very busy year, but I know the Colorado Chapter will rise to the occasion.

Sincerely,

Steve

Steve Thomas, President

1990 COMMITTEES

CODE CHANGES

Thompson, Tom *
 Baldaccini, Bill
 Best, Jerry
 George, Gerry
 Madden, Jim
 Nickle, Dan
 Tyree, Dave

Alternates:

Baker, Becky
 DeCroce, Ray
 Tawse, Clint

Non-voting:

Johnson, Dan
 Prebis, Wally

CODE DEVELOPMENT

VanAllen, Dave*
 Barnes, Bill
 Drey, Ron
 Foote, Bob
 Pringey, Gary

Alternates:

Baldaccini, Bill
 Goodell, Gary
 Price, Rust

Non-voting:

Johnson, Dan
 Prebis, Wally

EDUCATION

Goodell, Gary *
 George, Gerry
 Hoeben, Wayne
 Kaestner, Debra
 Keith, Gregory
 Miller, Brice
 Nickle, Dan
 Tyree, Pete

HISTORIC

Pirkl, Larry*
 Beisel, Jan
 Petersell, John

CORPORATE AFFAIRS/BYLAWS

Wilson, Bruce*
 Booth, Gerry
 Price, Rusty
 Vargo, Noel

NOMINATING

Vargo, Noel
 Thomas, Steve

MEMBERSHIP

Baker, Becky *
 Griep, Stan
 Vargo, Noel

LEGISLATIVE

Wilson, Bruce*
 Fischer, Marv
 Goddard, Philip
 Stensland, Mike
 Tawse, Clint

PROGRAM

Miller, Brice*
 Foote, Bob
 Goddard, Philip

1990

Tyree, Pete
 Baker, Becky
 Best, Gerry
 Drey, Ron
 Fischer, Marv
 Gedekan, Emil
 George, Gerry
 Keith, Gregory
 Nickle, Dan
 Pirkl, Larry
 Thomas, Steve
 Vargo, Noel
 Younkin, Dick

AWARDS

Fischer, Marv*
 Alley, Ken
 Bowers, Bo
 George, Gerry
 Tyree, Dave

NATURAL HAZARDS

Prebis, Wally*
 Ader, Shirin
 Jackson, Rob

NEWSLETTER

Kaestner, Debra*
 Baker, Becky
 Graham, Jan
 Kocman, Edward
 Miller, Brice
 Montoya, Andy
 Stensland, Mike
 Price, Rusty

LIAISONS

Ray DeCroce, AIA
 Steve Thomas, AGC
 Bruce Wilson, CML
 Tom Tompson, HBA
 Gordon Aleshire, IAPMO
 Dave Nuss, CFMA

STORAGE

George, Gerry*
 Foote, Bob
 Pirkl, Larry

INDUSTRY SHOWS

Barnes, Bill*
 Gisi, Don
 Graham, Jan

PUBLIC RELATIONS

Booth, Gerry*
 Goddard, Philip
 Greip, Stan
 Montoya, Andy
 Price, Rusty
 Stensland, Mike

*Denotes Committee
 Chairperson

COLORADO CHAPTER ANNUAL BUSINESS MEETING

By Debra Kaestner, City of Fort Collins

Lakewood - Hosted by the City of Lakewood, the Colorado Chapter ICBO held its annual business meeting December 7th and 8th. The chapter was welcomed by Lakewood City Council Member Harold Scatterday. Over 60 persons were in attendance to elect officers and board members for 1990 and participate in an educational program.

Elections were held and officers for 1990 are:

President	Steve Thomas, Glendale
1st Vice-President	Rusty Price, Littleton
2nd Vice-President	Bob Foote, Commerce City
Secretary	Becky Baker, Englewood
Treasurer	Bruce Wilson, Greenwood Village

Board of Directors for 1990 are:

Gerald Best, Eagle County
Ron Drey, Arvada
Gary Goodell, Boulder County
Debra Kaestner, Fort Collins
Dan Nickle, Lakewood

ICBO guests in attendance included: James E. Bihr, President; Brent Snyder, Chairman; and James R. Singleton and Thomas R. Thompson, Board members. Bihr updated the chapter with an overview of conference activity. The November-December Building Standards Part III has been mailed and contains the code change submittals for 1990. He has been meeting with the Marriott staff in Denver to fine tune the 1990 ICBO ABM. With over 1200 people, expected overflow will be accommodated at the Embassy Suites and Hyatt Regency. In the area of ICBO education, special inspector examinations have been running 300 per month with a total in all categories of 700 examinations given per month. Certification renewal practices are being studied, and a survey is forthcoming. The seismic seminar program has been successful, and a concrete inspection seminar program will begin this spring. ICBO has been holding "futuring" sessions, and a membership

needs survey will be distributed. The WFCA and ICBO have merged their fire code efforts to form the International Fire Code Institute Inc. (IFCI). Regarding national issues, Resolution of modular housing certification administration by state compacts or CABO is being looked at. The 1988 Fair Housing Act failed to delegate enforcement, therefore, local level jurisdictions should guard against any violations on your part of this standard.

This first speaker on Thursday was Jerry Dahl, Attorney, Colorado Municipal League. Dahl covered many legislative items including: creation of the Governors Office of Energy Conservation, legislation for registration of fire suppression contractors, proposed repeal of municipal engineering exemption, trench safety legislation, protection from delay damages in public construction contracts, low flow plumbing fixtures requirements and certificate of compliance to be completed by the installer and sent to the inspecting authority. Upcoming legislative issues include: personal care boarding home exemption from local zoning ordinances, changes to the Governmental Immunity Act, restrictions on impact fees, and control of estoppel, i.e., a person has a right to rely on preliminary information given by the authority having jurisdiction. Dahl also announced that he is leaving CML and Jeff Wilson will be assuming most of his duties with CML.

Next, Tom Brotherton, Senior Engineer, Colorado Office of Energy Conservation, spoke on energy efficiency in commercial buildings. The emphasis on energy conservation is a result of economic and environmental concerns. Money spent on energy decreases corporate efficiency and also may be revenue leaving the local economy. The preferred method by the state is to get local jurisdictions to adopt energy codes. Incentives to build energy efficient buildings are being implemented by the public utilities commission. Hook-up and extension fees and rates will be adjusted based on energy code compliance. Brotherton announced that the updated version of ENCODE is available to jurisdictions by calling (303) 894-2144.

John Maldonado, President, National Conference of States on Building Codes and Standards (NCSBCS) spoke to the chapter regarding the NCSBCS attempts to establish interstate compacts for acceptances of products and approvals. Driven

by unity of the European Economic Community which will occur in 1992, state governors are looking toward uniformity among states to block foreign competition. One of the issues is approval for manufactured housing.

The San Francisco earthquake of October 17 was discussed by Mark Kluver, Manager, Portland Cement Association. Kluver focused on the failure mechanisms on Interstate 880. Specifically, hinges were created during construction due to cold joints, and there was a lack of column ties. He pointed out that the UBC has been corrected to require strong column, weak beam design to prevent this kind of seismic failure. Liquefaction of soils was also discussed as the primary cause of damage in the Marina district. Liquefaction occurs where the soil is cohesionless (sand), water is present and shaking occurs (10-15 sec.). This typically occurs in landfill and coastal areas.

Computer modeling to determine performance of products during fires was the focus of Norman Todd's presentation. Representing the Codes and Standards, Polymer Products Department, E.I. Du Pont De Nemours and Company, Todd is developing acceptance criteria based on computer modeling. This may represent the future of product evaluation if standards can be agreed upon.

Steve Thomas discussed issuing permits for fast track construction projects. He discussed the types of permits which various jurisdictions issue for these projects. Foundations, shell and core, and tenant finish permits allow the building to be under construction while still working on the final drawings. The advantages to the building department of these permits include: good public relation with your clients, and with many jurisdictions, increasing plan review and permit fees. The disadvantage is that it requires increased coordination by your staff. Methods to aid this process include preliminary reviews and special inspection programs.

The Boulder County Building Officials shared with the group what they have learned in their efforts to improve public relations. The predominant message is to take an active approach to public relations; don't use the excuse that a negative image goes with the territory.

The annual banquet and installation of officers was held Thursday evening. 1989 President G. Noel Vargo presided and guests were entertained by radio personality Rick "the coach" Marshall. Steve Thomas and Wally Prebis summarized CO Chapter activities of 1989 with a slide and sound show which was even better than the previous year's show. Brent Snyder conducted the officer installation and Noel presented individual appreciation awards. Chuck Layman of Underwriters Laboratories was bestowed with an honorary membership in the CO Chapter in recognition of his contributions to the chapter and activities.

Friday morning began with a session by Allen C. Ballard, Supervisor, PSC of Colorado. Ballard prepared an update on the PSC gas log program. The gas log installation survey and manual are being updated and building departments will be receiving them soon. Another gas log installation seminar is planned for January 26 & 27, at 4301 Brighton Blvd. Over 200 installers and code enforcers attended the last seminar. For further information contact Harry Lumberg, PSC of Colorado, (303) 571-7300.

Arlen Gallagher, President, MOLI-TRON, spoke about kitchen grease hoods. He had a model size version of a hood they make which uses water as a filter in lieu of steel baffles. He also discussed UL listed vs. classified hoods, fire damper requirements, and make-up air.

Ventilation and indoor air quality was the next topic discussed by Ren Anderson, Technology Leader, Solar Energy Research Institute (SERI). SERI is conducting research on air quality in commercial buildings. They measure comfort, respiration and health parameters. Employee comfort is becoming a predominant ventilation issue which he believes manufacturers, designers, owners and regulatory agencies should be responsible for.

If a change is made in the field to the construction documents and the change is code complying, who is responsible for the quality of the end product? Charles M. Madison, Chairman, ASPE/ASHRAE, and Pete Johnson, Engineer, Merrick & CO. think the code professional should take an active role in coordination of the architects approval of changes. Most building officials agree that approval of design changes represents only

approval as far as minimum code requirements are concerned and don't believe that building departments should be involved in quality and design.

Les Tingle, Engineer, Colorado Division of Housing discussed factory-built houses. He is readily accessible to code professionals who have any questions regarding construction, inspection and standards. He can be reached at (303) 866-2035.

The last presenter of the day was Jim Martinez, A-Better Way Company, who discussed Thermo-Shield fluid applied ceramic roof and wall coatings. He indicated this product has thermal, water repellant and fire-resistive capabilities. As with all new products it is wise to check submittal materials before approving.

The next meeting of the Colorado Chapter is February 9, 1990 in Loveland.



HELP A BUILDING OFFICIAL

In these days of economic and staffing crunches, the best way to help yourself may be to help your neighbor.

Building departments are too often judged by the one bad apple. Are we in part responsible? Did we just shake our heads and say that it's their business, or have we reasonably tried to offer knowledge of the resources available?

What resources are being referred to? Have you considered yourself as a resource? You might think, "Who me? I'm so buried I have to look up

1990 CALENDAR

January 19-27	ICBO Code Development Committee Meetings, Boise
February 9	Chapter Meeting, Loveland
February 9	AGC Show, Denver Marriott Southwest
March 5-9	Educational Institute, Sheraton DTC
April 9-15	Building Safety Week
April 19-20	Chapter Meeting, Pueblo
June 19-23	CML Conference, Colorado Springs
June 22	Chapter Meeting, Colorado Springs
August 16-17	Chapter Meeting, Eagle County
September 9-14	ICBO ABM, Denver
October 12	Chapter Meeting, Denver
December 6-7	CO Chapter ABM, Lakewood

just to see the bottom." But just by reading this you are displaying initiative. Continue that initiative, and make a phone call to the building department in the next jurisdiction, you might be surprised by what you gain.

Other resources, your local chapter of ICBO is one of the best. The exchange of information among peers is extremely valuable. Nobody knows or understands the situation like one of your own. Likewise, many solutions to unsolvable problems are found at the informal discussions that occur at chapter gatherings.

So you might contact your neighbor and offer to drive and share expenses to attend a chapter meeting. Or, if you are unable to attend, call and offer to cover for your neighbor, so that at least one of you can.

PEOPLE

CHUCK LAYMAN, of Underwriters Laboratories, received an honorary membership to the Colorado Chapter ICBO at the 1989 Annual Business Meeting. Chuck has been a member of the Colorado Chapter for many years and has continued to provide support in many areas including instruction at the first and all educational institutes, technical expertise relative to proposed code changes, and financial aid for numerous chapter activities. Because of his support and commitment to the Colorado Chapter he was recognized with this prestigious membership.

JIM MADDEN retires January 26, 1990 from West Adams County Fire Department after 21 years of service. Jim has been a member of the Colorado Chapter ICBO since November 1983. He served on the Colorado Chapter code change committee for five years and was the liaison between the Colorado Fire Marshalls Association and the Colorado Chapter. Jim will begin as fire marshall for Carson City, Nevada on February 1, 1990. Thanks for your contributions Jim!

STEVE RONDINELLI left the City of Westminster Fire Department on January 12, 1990, after 16 years of service. Since 1985 he has served as the fire marshall for Westminster. He will be working as a fire protection engineer on the new Denver International Airport with the City of Denver Fire Department. Good luck Steve!

Congratulations to **JAN GRAHAM** on the birth of her daughter, Robin, born January 14, 1990.

GREGORY R. KEITH will be leaving Summit County to pursue a interest in code education. See you at the educational institute, Greg!

JOHN HINTON joins the City of Federal Heights as Building Official. John attended the December Colorado Chapter ABM and was impressed by the amount of information available via chapter activities.

Congratulations to **JACK PROSE** on twenty years with the City of Wheatridge.

GAS HAZARDS POLICY UPDATE

MEMORANDUM

TO: COLORADO CHAPTER MEMBERS

FM: PERRY C. TYREE, CHAIRMAN GAS HAZARDS COMMITTEE (ret.)

RE: OCTOBER 19, 1989 LETTER FROM PUBLIC SERVICE CO. ON THE LIABILITY OF LOCAL BUILDING AUTHORITY

DA: JANUARY 4, 1990

The October 19, 1989 letter from PSCo to building officials sat in my in-basket for some time while I cogitated over what it really meant to us as the local building authority. This was especially of interest since we had developed a policy to use in these cases (where a hazard tag has been issued), and really had a fair response to that policy. I have had no feedback on the use of the document that was produced but I can only assume that it must be in place in several places around the state.

Our committee concluded that the hazards discovered by the local utility are fairly well taken care of in their process that has been established by law. They discover the problem, determine whether the problem is of such a magnitude as to require gas cutoff and then see to a satisfactory solution before the gas service is returned. The attorneys with whom we consulted reviewed the law and the position of the PSCo under the law and determined that the local authority could enter into the process of they wanted to, but that they had no statutory requirement to do so. I think we encouraged the chapter members to cooperate but to let their own attorney guide them in the matter. The attorney was going to represent them in court, afterall.

I suggest that the policy we developed along with this last letter from PSCo's Kurt Haeger, be given to your attorney and with that guidance, you draw your own conclusions in the matter. From Kurt's letter it would appear that PSCo is making a real effort to solve the problem. Let's help him out.

The October 19, 1989 letter referenced in the above memo was sent to building officials from PSCo's Kurt Haeger. If you would like a copy of this letter please contact Pete Tyree at 688-4036 or the Colorado Chapter News editor, Debra Kaestner at 221-6760.



The Colorado Chapter newsletter committee welcomes articles, information and ideas. Please feel free to write or call at your convenience.

EMERGENCY PLAN TOOLS

By Rusty Price, City of Littleton

Does your local emergency plan include the ICBO Uniform Disaster Mitigation Plan? If not you might consider getting a copy from ICBO. Most local emergency plans set up evacuation, damage control, and immediate responses for medical, police, fire, or hazardous materials. They probably address command sequence and headquarters as well as news relations. If your plan does not address how to effect an orderly evaluation of an affected area, access control, and documentation necessary for disaster aid and rebuilding, that plan is not complete.

Many of Colorado's communities have formed county wide intergovernmental agreements for mutual building inspection aid in the event of an emergency. These provide the necessary resources of qualified personnel to effect the kind of damage evaluation your community will look to you to provide. A sample of such an agreement is contained in the Uniform Disaster Mitigation Plan. A list of equipment for personnel is also included.

Among that list are several placards describing, for the public, the condition of a damaged structure. They also give instructions for limited building use, reconnecting of gas and electrical for your local utility company if no access to the building is allowed, or the conditions under which it is

allowed, or if the building is safe to occupy. These are a big help to police and fire as well as the general public.

The Colorado Chapter now has a stock of these placards available for any jurisdiction, should you need them. They will be kept in the chapter's storage room and can be made available upon short notice.

NORTHERN COLORADO CODE PROFESSIONALS ORGANIZATION

By Ken Kidd, City of Loveland

Loveland - The City of Loveland Building Division hosted two regional meetings for area building department personnel on December 14, 1989 and January 11, 1990. These were the first of their kind, and judging from attendance they will continue.

The group meets from 7:15 to 9:00 a.m., so that time away from their daily routine is minimized. The purpose of the organization is to bring together other building departments and discuss requirements and procedures. This in turn should encourage jurisdictions to standardize policies throughout northern Colorado so that contractors won't have to alter their practices from city to city and city to county.

In attendance were employees from Berthoud, Greeley, Loveland, Estes Park, Fort Collins, Longmont, Larimer and Weld Counties.

Brice Miller, City of Loveland, chaired the open forum discussions. Topics of discussion included: roofing, intermediate rail spacing, safety glazing around tub enclosures, footing and foundation design, gas log installation, mobile home ordinances and gas hazards policies.

Everyone involved is excited about the effort to cooperate between the local code authorities. The next meeting is Thursday, March 1 in Loveland.

**Colorado Chapter ICBO
Newsletter Committee
PO Box 580
Fort Collins, CO 80522**



COLORADO
CHAPTER
INC.,
OF THE
INTERNATIONAL
CONFERENCE
OF
BUILDING
OFFICIALS

Steve Thomas, President
Debra Kaestner, Editor (303) 221-6760

March/April 1990

COLORADO
CHAPTER

News



PRESIDENT'S MESSAGE

The first part of the year is always a busy time for the Colorado Chapter. The Education Committee worked very hard and once again put on a fine Educational Institute. I would like to congratulate the entire committee on their dedication and ability to organize such an event. The other chapter committees are also working hard. The Code Change Committee is busy reviewing this year's suggested revisions to the uniform codes, while the Code Development Committee is trying to draft new revisions for next year. The Legislative Committee is lobbying our state legislature to prevent the passage of laws which create problems for our departments. If you have ever tried to lobby a politician; you would understand the hard work involved. The Awards Committee has met to create a Colorado Chapter award as well as fine tuning the Sis Wallace award. Of course, the 1990 Committee is gearing up for the ICBO Annual Business Meeting in Denver, September 9-14, 1990. I would like to thank everyone for their hard work.

During March the Colorado Chapter Officers and Board of Directors will meet to work on the future of our organization. We will develop the budget for next year as well as define the chapter's course for 1990. I will also be working with this group on a five year plan, so we know our goals for the next few years. I think this will help future presidents with a smooth transition and provide members with a clear picture of what we will be doing in the future. If anyone has any ideas on the future of the chapter or input on the budget, I encourage you to contact me or any of the officers or board members.

National Building Safety Week is April 9-13, and several jurisdictions have already started to plan activities for that week. The chapter has sent each Class A member a package promoting Building Safety Week. I hope you can use some of these ideas to promote building safety and code enforcement in your area.

Sincerely,

Steve

Steve Thomas
President

COLORADO CHAPTER EDUCATIONAL INSTITUTE CELEBRATES SUCCESSFUL FIFTH YEAR

Denver - The Fifth Annual Colorado Chapter Educational Institute was held March 5-9, 1990, at the Sheraton Denver Tech Center. This institute provided instruction for 765 students from 23 states in the major areas of code administration - plans examination, field inspection and department administration. The collegiate-style curriculum offered 79 classes in 12 major subject areas. Curriculum changes for 1990 included; a new engineering principles course path, expanded instruction on the Uniform Fire Code, and the addition of the resources of the National Fire Protection Association and Fire Marshall's Association of Colorado, being utilized to provide instructional expertise. A number of classes were offered at the beginning and advanced levels, and popular classes were offered at two different times to provide flexibility.

The faculty for the institute consisted of over 75 well-qualified practitioners from all over the country. Special thank-yous are accorded to Mark Kluver, Roger Davidson, Fulton Cochran, and Scott Stookey for filling in for instructors who were delayed by blizzard and "thunder-snow" conditions.

COLORADO CONSTRUCTION INDUSTRY EXPO '90

Bill G. Barnes, City of Glendale

Denver - On February 9, 1990, the Marriott Southeast was host to the Colorado Construction Industry EXPO '90. This year's EXPO included 56 exhibitors who showed their latest materials and methods of construction.

The Colorado Chapter ICBO sponsored a

This year's institute represents healthy growth from 1989. Enrollment was up 14 percent, nine new classes were added and 35 percent of the students were from outside the Denver metro/front range area. The most popular classes were Blueprint Reading, Uniform Fire Code Overview, Basic Occupancy, Types of Construction, and Exiting, Live Loads on Structures, Flammable Liquids, and Hazardous Materials Basic Principles and Practical Applications. The student break down is as follows:

Colorado	494	Texas	6
(Denver metro & front range)		South Dakota	5
Colorado	92	Alaska	4
(mountain & west slope)		Montana	4
California	40	Idaho	3
Wyoming	26	Michigan	3
Nevada	14	Minnesota	3
Arizona	13	Missouri	3
Utah	12	Nebraska	3
Kansas	9	Washington D.C.	2
New Mexico	9	North Dakota	2
Washington	8	Oregon	2
Iowa	7	Indiana	1

The Colorado Chapter Education Committee would also like to thank the following volunteers for endless hours of help in preparation, registration, and equipment management. Guy Magnuson, Vonda Weigel, Dick Younkin, Robert Huffman, Becky Baker, Ken Kidd, Mike Stensland, Fulton Cochran, Bruce Wilson, Larry Pirkel, Rita Pirkel, Tom Thompson and Bob Foote.

booth which was staffed by: Bill Barnes, City of Glendale, Don Gisi, City of Broomfield, and John Eckert, City of Wheatridge. The chapter representatives fielded code questions, and handed out brochures on upcoming events such as the Educational Institute and the Rocky Mountain Chapter of IAEE Annual Meeting which will be held on March 29-30, at the Holiday Inn, Northglenn.

The EXPO was well attended by contractors and associated industries, and was deemed bigger and better than previous events.

STATE OF COLORADO

EXECUTIVE CHAMBERS
136 State Capitol
Denver, Colorado 80203-1792
Phone (303) 866-2471



Roy Romer
Governor

HONORARY PROCLAMATION

BUILDING SAFETY WEEK
April 9-13, 1990

WHEREAS, it has been a fundamental part of the democratic principles of this nation to involve all interested and affected parties from both the public and private sectors in the formulation, adoption and the administration of laws and ordinances that protect the health, welfare and safety of citizens; and

WHEREAS, among the most basic of the laws in our nation are those assuring the public's health and safety in the buildings in which they live, work and play; and

WHEREAS, to assure safety, Colorado works together with counties, cities and townships across the state to enforce uniform building codes; and

WHEREAS, the efforts of state and local building officials and their cooperative relationship with the construction industry helps ensure a safer environment for our citizens; and

WHEREAS, the members of the Colorado Chapter of the International Conference of Building Officials will conduct programs in local building departments on April 9-13, 1990, to increase public awareness of the information and services provided by these public officials;

NOW, THEREFORE, I, Roy Romer, Governor of Colorado, proclaim April 9-13, 1990, as

BUILDING SAFETY WEEK

in the State of Colorado.

GIVEN under my hand and the
Executive Seal of the State of
Colorado, this thirty-first day
of January, 1990

Roy Romer
Governor



1990 BUILDING SAFETY WEEK

April 9-13, 1990, has been proclaimed Building Safety Week by Roy Romer, Governor, State of Colorado. In observance, building departments are encouraged to participate in promoting the event. Posters, handouts, videos and bumper stickers are available from ICBO, and a national teleconference on "Flammable Liquids - A Code Approach", will be broadcast on April 10. Local code professionals are the key to getting the message out to the people you serve. You can participate by placing posters in your office and brochures about the importance of building codes on your counter. You may also order a free public service announcement from ICBO's Education Department. BOCA, ICBO and SBCCI have joined together to provide five, 30 second public service announcements on building safety. These messages can be used

year-round. They stress Building Safety Week, safety glazing, wood heating devices, smoke detectors, and handrail/guardrails. These messages are designed to be broadcast by commercial television stations and cable companies. You may call the ICBO education Department at (213) 699-0541 to request your copy. The concept of Building Safety Week reminds us that building codes and code professionals work for the people we serve.

Tuesday, April 10, 1990, from 10:00 to 1:00 MDT, a national building safety week teleconference is available, at no broadcast charge, for those who inspect, design or maintain structures where flammable and combustible liquids are used or stored. Any person or group can participate; call (800) 535-8390 to sign up. Workbooks for the teleconference are available for \$5.00 from ICBO Order Department, (213) 692-4226.

YELLOW SNOW - SPRING SKI PARTY

- WHERE:** Winter Park
WHEN: Saturday April 14, 1990
WHO: Colorado Chapter members, family and friends
ATTIRE: Anything goes, spring ski attire, or costumes!



PROGRAM: The program will be a little different than in the past. First you will note the date change. The plan is to meet at Snoasis on Winter Park on Saturday morning. That will be our home base, and the location of the optional barbecue lunch. From Snoasis all levels of skiing are available. You can do some serious "deck skiing", sunning with a glass of wine in hand or mash the moguls. We will probably all ski together in the morning on some warm-up runs as a group and then some individuals may want to go on their own. We'll keep a few tables at Snoasis, where someone will most likely be at all times.

COST: Lift ticket only - \$19.00, Barbecue lunch and lift - \$29.00
(Need a \$10.00 deposit with RSVP)

NOTE: Complete ski rentals are available at the Ski Exchange for \$7.00. This is near the ski area on Winter Park Drive next to the The Slope restaurant. (You can also leave your car in The Slope parking lot and take the bus to the ski area.) If you would like to arrive on Friday night, Noel can help you with lodging arrangements.

RSVP: Please RSVP by April 4, so Noel can get a lunch count.
Marv Fischer 303-725-3347
Noel Vargo 303-442-8861 (Denver line)

PEOPLE

DAVID P. TYREE, P.E., has accepted a position with the National Forest Products Association as District Manager of the Northwest Regional Office. He will represent the wood industry at national and local levels. Dave has been a member of the Colorado Chapter for 14 years and was president of the chapter in 1983. He has served on the chapter code change committee since 1976. Dave was surely missed at this year's Educational Institute.

JERRY WOOLDRIDGE has assumed the position of Manager of Codes Administration and Building Safety for Summit County, where he has been performing plans examination for four years. Jerry is a licensed architect and practiced architecture for ten years prior to working for Summit County.

CODE HEARINGS, BOISE, IDAHO

Tom Thompson, City of Broomfield

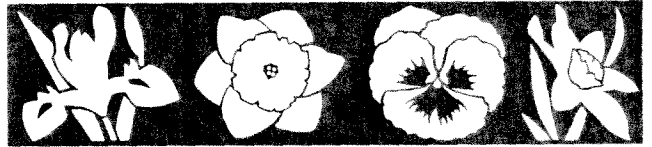
The ICBO Code Development hearings were held January 17-27, 1990, in Boise, ID. The Colorado Chapter was well represented by Becky Baker, Ron Drey, Gerry George and Tom Thompson. Other chapter members in attendance included: Bob Foote, Gregory R. Keith, and Dan Nickle. In addition, ICBO committee members Gerald Booth (Admin.), Gary Goodell (High Wind), and Dave Tyree (Fire Risk) created a highly visible Colorado contingent.

A total of 471 code changes were considered. The CO Chapter Code Change Committee and other interested parties met on January 5, to discuss proposals and develop a chapter position on some items prior to the code hearings. The chapter sponsored two code changes in this cycle, and both were approved as revised by the ICBO code development committee. The chapter's Outpatient Health Care Center proposal was reworded by Ron Drey, Gerry George, and Tom Thompson to address various concerns and comments. Gerry presented and responded to eleven different amendments during the hearing, doing a masterful job of facilitating the committee's action.

JERRY DAHL, CML General Counsel since November 1984, has accepted a position as special counsel with the Denver law firm of Gorsuch, Kirgis, Walker, Campbell and Grover. Dahl provided information to municipal and building officials on legal matters and state legislation. The chapter is appreciative to Dahl for providing a channel for input to the legislature.

GEOFFREY WILSON replaces Dahl as CML General Counsel.

TINA CHRISTIANSEN has accepted a position with the City of San Diego as Assistant Building Official. She will be responsible for building, housing, zoning and environmental enforcement and a staff of 250 persons.



As most of you are aware, this is the third year of the code cycle. The committee actions in Boise will be subject to the challenge process with challenges to be heard at the ICBO ABM in Denver, September 9-14. The final decisions along with the 1989 and 1990 supplements become the 1991 UBC.

A code change committee meeting has been scheduled for March 30 at the City of Lakewood to discuss any of the items from the Nov-Dec 1989 Building Standards, Part III. After the Mar-Apr, 1990, Building Standards, Part IV is distributed, a final meeting will be scheduled to discuss approved and revised items. These two meetings will form the basis for challenges by the chapter at the ICBO ABM in September.

The code change committee invites your participation in the process. Copies of the actions of the code development hearings in Boise are available from Tom Thompson, (303) 469-3301, or newsletter editor, Debra Kaestner, (303) 221-6760. The complete text of the proposed changes can be found in the Nov-Dec 1989, Building Standards, Part III. Please contact Tom for any committee action or information regarding the CO Chapter Code Change Committee meetings.

AWARDS COMMITTEE

Marvin L. Fischer, Grand County

The first meeting of the Colorado Chapter awards committee was held on February 9, 1990 in Loveland, CO. The committee approved Resolution No. 1, 1990, which was subsequently introduced and approved at the chapter business meeting later that day. The text of Resolution No. 1, honoring Dave Tyree and Greg Keith, is printed in this newsletter.

The purpose of the committee and goals for 1990 include; establishing written guidelines for

selection of recipients for the Sis Wallace Award and Beryl Wallace Award, creating nomination forms, selecting award recipients, and presenting the Sis Wallace Award at the ICBO ABM and the Beryl Wallace Award at the CO Chapter ABM. The committee will also be responsible for all other chapter awards and plaques.

Sis Wallace Award criteria was briefly discussed as well as distribution of nomination forms. The awards committee will meet again during the chapter meeting April 19-20 in Pueblo and interested persons may contact Marv Fischer at (303) 725-3347 for further information.

RESOLUTION NO. 1, SERIES OF 1990

WHEREAS, the Colorado Chapter of the International Conference of Building Officials is made up of building officials and other interested parties from across the State of Colorado, and;

WHEREAS, the business of the Chapter is conducted through its members and;

WHEREAS, the Chapter wishes to recognize the efforts of two of its outstanding members;

THEREFORE, be it resolved that the following members are being recognized for their outstanding participation, dedication and leadership in the Colorado Chapter ICBO.

GREGORY R. KEITH

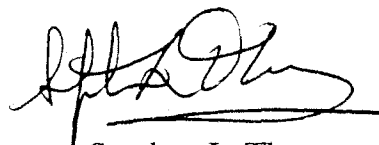
For his participation in the Chapter and his high standards set for education, legislation and Chapter activities.

DAVID P. TYREE

For his leadership and commitment to the programs furthering the interest of the Chapter.

AND, to both of these members, for developing and presenting the TOP GUN Program to inspire a higher professional level of code awareness.

Signed this ninth day of February in the year Nineteen Hundred Ninety.



Stephen L. Thomas
President

CHAPTER MEETING

Sheryl Helms, City of Fort Collins

LOVELAND - Hosted by John Slavik, City of Loveland, the Colorado Chapter ICBO met February 9, 1990 at the Loveland Recreation/Senior Center. The chapter was welcomed by Mike Rock, City Manager. Over 65 persons were in attendance for the business meeting and Brice Miller's well-prepared agenda, covering various topics of wood construction.

Dick Anderson, Larimer County Building Official, and Jim Tracy of Advance Foam Plastics spoke on the use of prefabricated structural sandwich panels, known as "R Control", for exterior walls and roofs. Dick was able to discuss the use of these types of panels from a design perspective by explaining the architectural process he was involved with on the design for Craig City Hall several years ago. Jim showed a very informative video explaining the design and testing of the panels and construction techniques used in the field for proper installation. Proper installation and engineering for beams and point loads in any given design were emphasized as being critical to the whole system. Jim also explained that the foam used in "R Control" panels is a modified expanded polystyrene and not a urethane.

Mark Barns and Marvin Miller from the Forest Products Division of Koppers Co. discussed permanent wood foundations and footings. Did you know that there are presently over 250,000 wood foundations in the United States and Canada? A short video was shown emphasizing the creation of more comfortable living space below grade which can be achieved with wood systems. Again, proper installation was stressed as being critical to its effectiveness. Only pressure treated wood stamped "foundation material" can be used, and a drainage system must also be installed. Also explained were the wood systems defenses against leaks, the use of different types of footings and plates, and the types of nails and fasteners that must be used.

Bob Potter from the Wood Sciences Department at Colorado State University presented a slide show and led a discussion of Sections 2516

and 2517 of the UBC, relating to the construction and inspection of wood structures. He first talked about the properties of wood and its use in construction. He then covered code required items such as ventilation, cutting, notching, bearing, framing, and weather exposure. The importance of ventilation was reinforced with some slides of deteriorating wood joists due to excessive moisture build-up (even along the front range).

The Trus Joist Corporation was represented by Ann Napier and Paul Nicholas. A video was shown on the installation of TJIs, and slides were used to demonstrate different uses of their products. Discussion concentrated on allowable notching and boring of TJIs and the connectors that should be used. Their newest product and installation guide was reviewed and distributed.

In addition, Pete Tyree gave a brief report about gas hazards and talked about building department involvement with the Public Service Co. and red-tagging of gas hazards.

The next chapter meeting will be held April 19-20th in Pueblo.

1990 CALENDAR

March 30	Code Change Committee Meeting
April 9-13	Building Safety Week
April 19-20	Chapter Meeting, Pueblo
May 15	RCSE Test
June 19-23	CML Conference, Colorado Springs
June 22	Chapter Meeting, Colorado Springs
August 16-17	Chapter Meeting, Eagle County
August 21	RCSE Test
September 9-14	ICBO ABM, Denver
October 12	Chapter Meeting, Denver
November 13	RCSE Test
December 6-7	CO Chapter ABM, Lakewood

1990 ABM COLORADO CHAPTER VESTS

Identify yourself as a member of the Colorado Chapter Inc, ICBO and a host at the ICBO ABM in Denver September 9-14, 1990. The 1990 Committee will provide western style vests, at no charge, for each chapter member and companion attending the September ABM. Available in unisex sizes, S,M,L,XL; black only. Please clip and mail the order form below by May 31, 1990, to:

Vicky Younkin, 3229 S. Pennsylvania, Englewood, CO, 80110.

Colorado Chapter Vests

Colorado Chapter Member Name _____

Companion Name _____

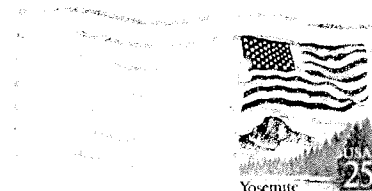
Will you be attending the ICBO ABM? _____ Companion? _____

Address _____

Phone Number _____

Size(s) _____ S _____ M _____ L _____ XL

**Colorado Chapter ICBO
Newsletter Committee
PO Box 580
Fort Collins, CO 80522**



COLORADO
CHAPTER
INC.,
OF THE
INTERNATIONAL
CONFERENCE
OF
BUILDING
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May/June 1990

**COLORADO
CHAPTER**

News



PRESIDENT'S MESSAGE

It's only four months away, yes the ICBO Annual Business Meeting is approaching fast. You should have already received your registration packets in the mail and be seriously considering attending the meeting, especially since it is in our own backyard. I would like to congratulate and thank the 1990 committee for assisting ICBO in organizing this event. The committee has done a fine job representing the Colorado Chapter. They are not finished however; we need the help of every person in the chapter to make this annual meeting a success. The committee will be soliciting your assistance in the next few months, so please help out where you can.

Building Safety Week was a success across the state. There were several local proclamations, open houses, and activities during the week. You should be planning now for next year. If you have any suggestions for the chapter's activities in 1991, please contact one of the chapter officers or board members.

I would like to congratulate the City of Denver for adopting the Uniform Codes. The adoption of these codes in Denver will help every building department throughout Colorado because it creates uniformity across the state. As far as I know, every jurisdiction in Colorado is now enforcing the Uniform Codes. If you are aware of any jurisdiction that has not adopted the Uniform Codes, please let us know so we can get in contact with them.

As I mentioned in the last newsletter, the officers and directors have been discussing the future of the Colorado Chapter. We have had some brainstorming sessions to discuss new ideas. We will continue working on this issue over the next few months. I will report the outcome of these sessions to the members in the chapter as soon as we have a plan completed.

Sincerely,

Steve

Steve Thomas
President

COLORADO CHAPTER MEETING

PUEBLO - Hosted by Clint Tawse, City of Pueblo, the Colorado Chapter ICBO met April 19 & 20, 1990, at the Holiday Inn of Pueblo and the Sangre de Cristo Arts and Conference Center. The chapter was welcomed by Lewis Quigley, City Manager. Over 45 persons were in attendance for the business meeting and well prepared agenda, covering LP gas appliance installations, gas logs, corrugated stainless steel gas piping, and radon facts and mitigation. Hosting their first chapter meeting, the City of Pueblo excelled at providing an enjoyable and educational experience.

Jurisdictions represented at the Pueblo meeting included:

City of Denver	City of Pueblo
City of Glendale	City of Loveland
City of Colorado Springs	City of Federal Heights
City of Louisville	City of Littleton
Summit County	Pitkin County
Jefferson County	Huerfano County
Routt County	Teller County
City of Arvada	City of Fort Collins
City of Broomfield	City of Wheatridge
City of Brighton	Town of Parker
Grand County	Eagle County
City of Greenwood Village	City of Commerce City
City of Lakewood	Colorado Division of Housing
Denver Regional Council of Governments	

Dennis Skubal and Larry Stevens, of the City of Pueblo, and Brad Ryan P.E., spoke on the prohibitions, precautions and methods of installation of LP gas appliances in under-floor spaces. Section 504 (f) of the Uniform Mechanical Code prohibits their installation in basements or similar locations where heavier-than-air gas might collect, and when installed in above-grade, under-floor spaces requires an approved means for removal of unburned gas.

The dilemma for code professionals is created when a jurisdiction inherits these existing installations in dwelling units via annexation or incorporation. If the appliance is located below grade or if the gas piping is through the crawl space, and there is no means provided for removal of unburned gas or gas detection, what recourse does the building official have? These options exist: Allow the continuation of an exist-

ing non-conforming installation, but require an approved ventilation and detection system be installed when the appliance is replaced; require a ventilation and detection system be installed period; or require the removal of existing below grade LP gas appliances under the authority and guidelines of the Uniform Code for the Abatement of Dangerous Buildings. Those at the meeting generally agreed that it is better to have a ventilation and detection system installed with the LP gas appliance in the basement, (Alternate Materials and Methods), rather than have illegal installations occur because permits cannot be issued for that location.

Kurt Haeger, Planning Manager, PSCo, and David Hall, General Manager, Rod Hall Company, discussed regulations and concerns for installation of gas logs and combustion air. The consensus is that lack of combustion air is the major code problem caused by gas log installations. The available combustion air may already be consumed by the furnace and water heater. Also, if an existing wood fireplace does not draw well, installing a gas log will not solve the problem. Installation practices which PSCo emphasizes include completely removing dampers rather than using a clip to hold them open. If cold air entering the room is a problem, install glass doors across the firebox opening and fix a plate to the door instructing the operator to leave the doors open when the appliance is in use. Small BTU gas logs (35,000), at high altitude, in a building of tight construction will not draw well. If additional combustion air is needed bring it directly into the firebox. If there is adequate combustion air provided to a basement space, install a louver in the basement door to allow the passage of air.

Corrugated stainless steel interior gas piping is a technology pioneered by the Japanese 10 years ago. Eighty percent of new buildings are piped using corrugated stainless steel in Japan today, reports Gerry Paulus, Engineer, Colorado Springs Department of Utilities. Colorado Springs introduced the technology to the United States by allowing its use in two new single family homes and an addition to a church. The piping material has an American Gas Association approval, and Mr Paulus recommends certified installers and inspectors be used. The material is especially suited for retrofit situations, but cannot be used in return-air plenums. When the Colorado Springs

Building Department approved this piping they were concerned with protection of the piping within a wall assembly from puncture by a sharp object, but the installation instructions require striker plates be installed at points where the piping is fixed. This assumes that the remainder of the pipe is free to move away from an object pushing on it, to avoid puncture.

On Friday morning, Dr. James Parnell, Associate Director of the Western Regional Radon Training Center, at Colorado State, and Mr. Douglas L. Kladder, President of Radon Testing and Treatment Inc., spoke on radon facts and mitigation techniques. Radon was first identified as accumulating in above ground structures in 1984. The EPA estimates that 8 million homes are above current EPA guidelines of 4pCi/L. For Colorado, 25% of the state is 4pCi/L or above according to screenings conducted. The EPA has set a goal for new construction to have indoor readings the same as outdoor, approximately .3 - .4 pCi/L. As yet there are no state regulations for radon testing or consultants. The 1988 Indoor Abatement Act created a voluntary proficiency exam for mitigators. The speakers feel the building industry is resisting acknowledging the radon problem. The actual risk is from the particle of decay from radon. The particle, Polonium, is conveyed through the air and settles on the lungs. The risks are increased for those that smoke. The EPA estimates that an 18 hour exposure to 4pCi/L equals smoking a half pack of cigarettes each day. If a radon screening test is performed and the results are:

- under 4pCi/L, no following up is necessary,
- 4 - 20pCi/L, follow up test should be performed within a year,
- 20 - 200pCi/L, follow up within several months,
- over 200pCi/L, follow up immediately.

Mitigation techniques may vary depending upon the site and building construction. "Radon readiness" may be built into new construction to allow for easier mitigation should testing reveal a problem. A preconstruction soil analysis is not a reliable method of estimating the potential for a problem later. If the project is infill, information from neighboring structures can provide good data. Recommendations for radon ready features in new construction include preventing entry

into the building by physical barriers such as plastic film securely installed under concrete slabs and in crawl spaces; sealing all slab penetrations and joints with polyurethane caulking (not silicone); installing 4 inch aggregate under the plastic film; installing a vertical ABS drain pipe which penetrates the aggregate and terminates above the slab, cap it securely and label it clearly to provide a stub for a vent for radon gas should later tests reveal a problem.

The use of perimeter drains, similar to soil drains, is highly recommended; installed inside or outside of the foundation footing, terminating at a stub that additional pipe and fans can be fitted to later.

Radon mitigation techniques often involve the installation of piping, wall or framing member penetrations, electric fans, and excavation. These items typically require a building permit. The EPA has developed a list of persons who have passed the voluntary proficiency exam and recommends obtaining a building permit for installation of mitigation equipment.

Dr. Parnell conducts training sessions for mitigators, proctors the EPA exam and is available to answer any questions. The phone number is 303-491-7742 or 800-462-7459.

Note: A code change will be submitted for the 1991 ICBO code change cycle, recommending an appendix to the UBC, Requirements for Radon Control for Group R, Division 3 Occupancies. This report from the Indoor Air Quality Code Development Committee was included with March-April Building Standards.

The meeting concluded Friday afternoon with impressive tours of an industrial area around the airport which was redeveloped by the City of Pueblo, creating shell buildings for lease to attract businesses, and the McDonnell Douglas Delta Rocket Production Facility assembly manufacturing building.

The next Colorado Chapter meeting is June 22, in Colorado Springs.

NATIONAL TELECONFERENCE, "FLAMMABLE LIQUIDS - A CODE APPROACH"

On April 10, 1990, the International Conference of Building Officials produced and presented a flammable liquids teleconference which was broadcast free of charge during National Building Safety Week. This program explained the methods for determining occupancy classification as it relates to the storage and use of flammable and combustible liquids. In addition, the program focused on liquid storage rooms and warehouses. The three hour program included three separate telephone question-and-answer sessions. The five major topics addressed included:

1. Fundamentals of a Technical Report
2. Key Terms and Concepts
3. Classification of Liquids
4. U.B.C./U.F.C. Classification of Occupancy
5. Layout of Codes

Similar to the 1989 teleconference on hazardous materials, case studies were used to evalu-

NORTHERN COLORADO CODE PROFESSIONALS ASSOCIATION

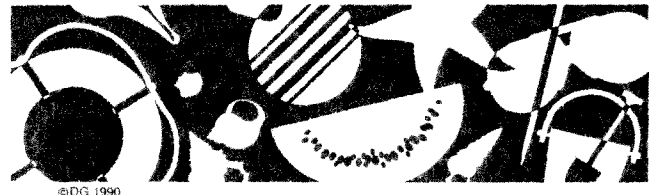
Ken Kidd, City of Loveland

The Northern Colorado Code Professional Association (NCCPA) is made up of building department personnel from many northern Colorado jurisdictions. The NCCPA has met monthly since January. The efforts to standardize construction requirements for local contractors has resulted in simplifying a few procedures. Building departments from Larimer County, Weld County, Loveland, Fort Collins, Berthoud and Estes Park have agreed to accept an air test on gas lines of 10 lbs. for 15 minutes on interior fuel-piping, excluding welded pipe.

Mike Gebo, with Fort Collins, heads a committee that is working with Public Service Company on notifying property owners/occupants on the proper procedures which should be taken

ate questions from the teleconference workbook. The well prepared workbook also contains a plan review and inspection checklist and flow chart to be used when classifying occupancies with flammable or combustible liquids. The workbook, expanded use of examples, and increased time allotted for questions-and-answers were improvements over previous teleconferences. Sections 201 (e) & (f) of UFC Article 79 were discussed in depth as they relate to retail sales and storage. Also, the proper classification of waste motor oil was discussed. If the waste oil is in a repair occupancy where no fuel dispensing is done, then it can be classed as Class III liquid; but, if the occupancy also has fuel dispensing then the waste oil should be handled as a Class I liquid, per UFC Article 79.907 (b).

Receiver sites for the teleconference in Colorado included: Arvada, Denver, Durango, Englewood, Fort Collins, Glenwood Springs, Manitou Springs, and Westminster.



to obtain a building permit once they are given a gas hazard tag. With each hazard tag that PSCO leaves, a letter to the owner/occupant will be included informing them of jobs that require permits and who to contact. This should improve repairs on properties given hazard warnings and/or having their service shut off.

Tom Garton, with Larimer County, has put together an index of videos that each NCCPA jurisdiction has pertaining to construction methods or building codes. Access to this video library will be given to all building departments involved in the NCCPA video exchange program.

The NCCPA generally meets in Loveland because of its central location, however, once a year each NCCPA member plans to host a meeting. This gives the group a chance to tour each building department and see how their functions differ from each other.

IMPROVING THE IMAGE OF INSPECTORS BEGINS AT HOME

David VanAllen, City of Longmont

All of us have seen stories-a building inspector makes headlines by condemning a child's tree house. Since we have the same job title, the public often times assumes we are all cold, unfeeling bureaucrats. This article is intended to give you some tips to combat this image.

At the office:

1. Dress neat, but informal - avoid the uniformed, heavy-handed image.
2. Identification - use a photo I.D. instead of a badge.
3. Business cards - indicate the professional certificates and/or license you have achieved.
4. Vehicles - have pride in the appearance of your vehicle; it reflects on the image of your community and profession.
5. Appointments - be on time to your appointments; respect that others have time constraints also.
6. Work day - be punctual arriving at work and in taking breaks. The building official should set a good example for his/her staff.

Education:

1. Remember that knowledge leads to self-confidence, assurance, and a higher comfort level in performing any job.
2. Take advantage of all appropriate training and educational opportunities. Stay current with the latest construction technology even if you have to go out of your way to do so.
3. Develop good people skills and put them to use in working with others both inside and outside your jurisdiction.
4. Communication is a vital link in doing an effective job. Speaking and writing clearly and consistently is important. Leave written documentation of corrections to avoid verbal misunderstandings.
5. Don't be afraid to take on new assignments - some can be more rewarding than you might think. By volunteering to take on some of these additional responsibilities, you raise your value to the organization and the image of your profession.

Public Relations:

1. Take advantage of every opportunity to promote greater understanding and acceptance of the building codes - i.e., newspaper articles, contractor newsletters, speaking to civic groups and professional societies, promote Building Safety Week, etc.
2. Promote yourself; toot your own horn every time you accomplish something. Don't assume others will notice on their own.
3. Use a client questionnaire to find out how you are doing in meeting the needs of the public.
4. Be a facilitator - help customers get through the red tape and they will remember you fondly when recalling their experiences.
5. Present a positive first impression. Phone and personal contacts should be pleasant even if the message is that the person cannot do what they want. Try to give some options for relief, i.e., variances, etc.

Remember, each of us can have an effect on the overall image of the code enforcement profession. Have you done your part?



DENVER ADOPTS UNIFORM BUILDING CODE

Ed Kocman, City & County of Denver

On April 2, 1990, the City Council passed a series of ordinances which adopt a new building code for the City & County of Denver. The new code will be based on the Uniform Codes of the International Conference of Building Officials, including the 1988 versions of the Uniform Building, Fire, Mechanical, and Plumbing Codes, and Uniform Building Code Standards. A series of amendments to the ICBO codes were also adopted in order to customize these codes to the particular requirements of the City & County of Denver. Also adopted was the 1990 National Electrical Code.

The new codes will be in full effect October 1, 1990 for most projects (the 1990 NEC is already being enforced). As of June 1, 1990 permit applicants can choose to conform to the new code if they make a declaration to that effect. Large projects already in the design phase when the new code was adopted can be allowed to continue to use the current Denver Building Code if certain parameters are met by the applicant.

Major amendments to the 1988 UBC occur in Chapter 12 (Group R Occupancies), Chapter 17 (atrium requirements), Chapter 18 (special provisions for high-rise buildings), Chapter 38 (fire protection systems), and Chapter 56 (covered mall buildings). Additional chapters not included in the UBC were also adopted such as Chapter 31 (rehabilitation of older buildings), Chapter 59 (construction of airport buildings and structures), and Chapter 64 (requirements for persons with disabilities). Many of the UBC appendix chapters were also implemented into the new code including a modified version of UBC Appendix Chapter 1, Division 1 (Life Safety Requirements for Existing Building Other Than High-Rise Buildings).

Some of the notable amendments made to the 1988 Uniform Plumbing Code include the exclusion of polybutylene as a water piping material, the addition of a water conservation section and an expanded and modified Appendix C which establishes minimum requirements for plumbing facilities.

Major changes to the Uniform Mechanical Code include the prohibition of floor furnaces and additional restrictions on the location, use, control, access, etc. of steam and hot water boilers and their piping systems.

Developing a thorough understanding of the new codes will pose a challenge to the staff of the Building Inspection Division. Despite similar basic concepts, the new code contains many new designations and unfamiliar terminologies as well as a considerable number of specific requirements which differ from the present DBC. In order to help staff meet this challenge a series of classes, discussions and training seminars will be presented. Mr. Gregory R. Keith has been retained to present a three day seminar on the basic provisions of the 1988 UBC that relate to occupancy groups, types of construction and exiting. Additionally, teams of plan review engineers and field inspectors will make presentations to highlight the differences between the current and new codes.

The adoption of the new code has been a long, drawn out, and at times frustrating task and the implementation looms just as difficult. Even so, the department views the new code as a welcome, beneficial and needed improvement. It will provide Denver the opportunity to share more closely in the continual code development process established by the ICBO organization.

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• **- IMPORTANT NOTICE -** •
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• *The dates for the August meeting of the Colorado Chapter has been changed to August 23 & 24. The meeting will be at the Hyatt Regency in Beaver Creek, and will be hosted by Eagle County. Please make a note in your calendars.* •
•



ROBERT O'BANNON TO SPEAK IN COLORADO SPRINGS

Mr. Robert E. O'Bannon, author of Building Department Administration, will be the featured speaker at the June 22 meeting of the Colorado Chapter ICBO. O'Bannon has been involved in the field of code enforcement and administration for over 38 years. From 1973 to 1983 he was director of education for ICBO. Since 1983 he has been an industry consultant. In 1984 he was honored by ICBO as the first recipient of the A.J. "Jack" Lund Award and in 1987 was granted honorary membership in ICBO.

In the foreword to the second edition of his book, O'Bannon says "As a young man (he) was imbued with the thought and hope that one day universities would share his passion for acknowledging the importance of building regulation and provide educational programs with the appropriate subject matter, leading to baccalaureate degrees in construction codes administration. As an older and hopefully wiser man, it must now be admitted that those were the dreams of ingenuous youth and that such baccalaureate degrees will probably never be available. That is one of the reasons for publication of this book."

The June 22 meeting will be held at the Sheraton in Colorado Springs and promises to be very enlightening.

BOULDER COUNTY BUILDING OFFICIALS

David VanAllen, City of Longmont

The Boulder County Building Officials (BCBO) made a presentation about public relations at the Colorado Chapter ICBO Annual Business Meeting in Lakewood on December 7, 1989. Since then, a letter on the issue of public relations was written to Jim Bihr, ICBO President. Mr. Bihr took the matter before the ICBO Board of Directors, which responded by asking the Education Committee to develop an outline for a coherent image-building program at the national level.

1990 CALENDAR

May 7	Code Change Committee Meeting
May 15	RCSE Test
June 19-23	CML Conference, Colorado Springs
June 22	Chapter Meeting, Colorado Sps.
August 23-24	Chapter Meeting, Beaver Creek
August 21	RCSE Test
September 8	Pre-Conference Extravaganza, Summit County
September 9-14	ICBO ABM, Denver
October 12	Chapter Meeting, Denver
November 13	RCSE Test
December 6-7	CO Chapter ABM, Lakewood

Lately the ICBO has been working on such diverse issues as a reciprocal agreement on contractor licenses, the implementation of a mock disaster exercise to practice for the mutual aid agreement implementation, and discussion of consistency in collection of sales tax with building permits.

Another sub-group of professionals is forming to discuss items of mutual concern. As yet unnamed, plan reviewers of several communities are organizing a meeting in the near future. If interested, call Wayne Hoeben, City of Longmont, at 651-8332.



COLORADO CHAPTER ICBO GOLF TOURNAMENT

Time again to get out the clubs, find a few old balls, and start digging up some divots in the back yard. Get that swing in shape for a fun time.

DATE: MONDAY, AUGUST 13
TIME: 10:00 AM SHOTGUN
PLACE: PERRY PARK COUNTRY CLUB, LARKSPUR
COST: \$50.00

Lots of food and drink, great camaraderie and fun, and maybe an occasional good golf shot! We'll play 4-person scramble with certain rules and teams (some exceptions) to be paired from random draw.

Arrive early, hit some practice balls, have coffee and rolls, and pick up your packets and rules. We suggest you get there no later than 9:00 AM since a shot gun means getting to your starting tee on time.

Don't wait until the last moment to sign up. This is a popular event and we need to assign teams. Deadline is August 1, but we'd like to hear from you earlier. Registration is \$50, payable to ICBO Golf. Include your handicap/average score and mail to:

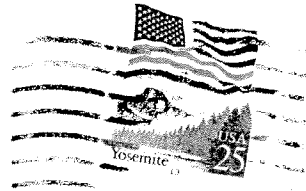
Wally Prebis
1510 Glen Ayr Dr. Suite 2
Lakewood, CO 80215

SPECIAL EVENT - IMMEDIATELY AFTER YOU FINISH YOUR ROUND

Gather at the practice tee:

1. Each player will receive 3 balls.
2. Drive towards the practice green over Lake Wauconda, approximately 165 yards.
3. Closest to the pin wins a very special prize.

**Colorado Chapter ICBO
Newsletter Committee
PO Box 580
Fort Collins, CO 80522**



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July/August 1990

COLORADO CHAPTER

News



ABM EDITION

PRESIDENT'S MESSAGE

It has been a very busy summer for the Colorado Chapter. We were called upon by the State of Colorado to assist in assessing damage to buildings in the Town of Limon after a tornado. I would like to both thank and commend those people who assisted after the disaster. They were very professional in their actions in Limon and were of great assistance. I have received several positive comments from the state and organizations like the Colorado Municipal League. I would especially like to thank Rusty Price and Tom Thompson. Rusty acted as the disaster response team coordinator in Limon and Tom helped me in organizing our effort and was designated as the alternate coordinator. Based on the critique after the response and comments from several members, I have created an ad hoc committee to address the chapters response and capabilities for handling this type of disaster in the future.

Are you planning on attending the ICBO Annual Business Meeting in September? I would like to encourage everyone to attend the code change and education conference in downtown Denver. Pete Tyree and the people on the 1990 committee have done an excellent job working with Mr. Bihr and ICBO in arranging the events and meeting. The agenda looks great for the week and I am sure that a lot of work will be accomplished during that time. The 1990 committee will need quite a few people to help to act as hosts. If you are interested in assisting us in making this one of the best meetings that ICBO has had, please contact either Tom Thompson or Wally Prebis.

The chapter's code change committee has also been meeting on a regular basis in preparation for the ABM code hearings. They are forming positions on proposed changes and have done a great amount of research. If you are confused about a particular item or need additional information, I would recommend that you speak to one of the members. It is very important that you are knowledgeable about an issue when you vote on it. Remember, if an item is approved on the floor, you will be enforcing it when you adopt the 1991 codes.

Sincerely,

Steve

Steve Thomas
President

COLORADO CHAPTER DISASTER RESPONSE

Rusty Price, City of Littleton

It was a dark and stormy night. Charles Schulz may have Snoopy use this line as a bit of humor, but for the folks in Limon Colorado on the night of Wednesday June 6, 1990, the dark and stormy night brought two devastating tornadoes. These tornadoes touched down in the central business district and moved to the east northeast through a residential area of town. The noise from the hail and wind born debris was so intense that people as close as a block from the tornado warning sirens could not hear them. Early warning systems broke down; the initial warning came from a local rancher up stream from the community just minutes before the tornado hit.

Luckily no one was killed or seriously injured. Buildings were torn apart, trees were ripped from the ground and stripped of leaves, monuments were toppled in the cemetery, and the mobile home park was ripped to shreds in the wake of the storm. People were left without homes, without businesses, without a place to buy groceries or a place to cook and serve food. Many of the governmental buildings were blown apart, such as the Town Hall where they lost an ambulance and other necessary equipment and documents.

Colorado Chapter President Steve Thomas contacted the Governor's office early the following morning to offer what assistance the chapter could. The state was organized quickly and the Department of Disaster Emergency Services had moved onto the scene and did a preliminary assessment of the damages in Limon. Local engineers had volunteered to do an in depth assessment. The State Department of Housing advised the Governor's office that local building officials were better equipped to handle this with the ICBO Disaster Mitigation Plan and that each official is a local law enforcement agent trained to make the judgements necessary for disposition of damaged buildings.

President Thomas accepted my offer to lead a team of volunteer building officials in the assessment tasks in Limon. I had participated in the mitigation efforts of the 1982 Thornton tornado. The Colorado Chapter had never done this before but we knew our people were very capable and we had the foresight to have placards printed up previously and they were in

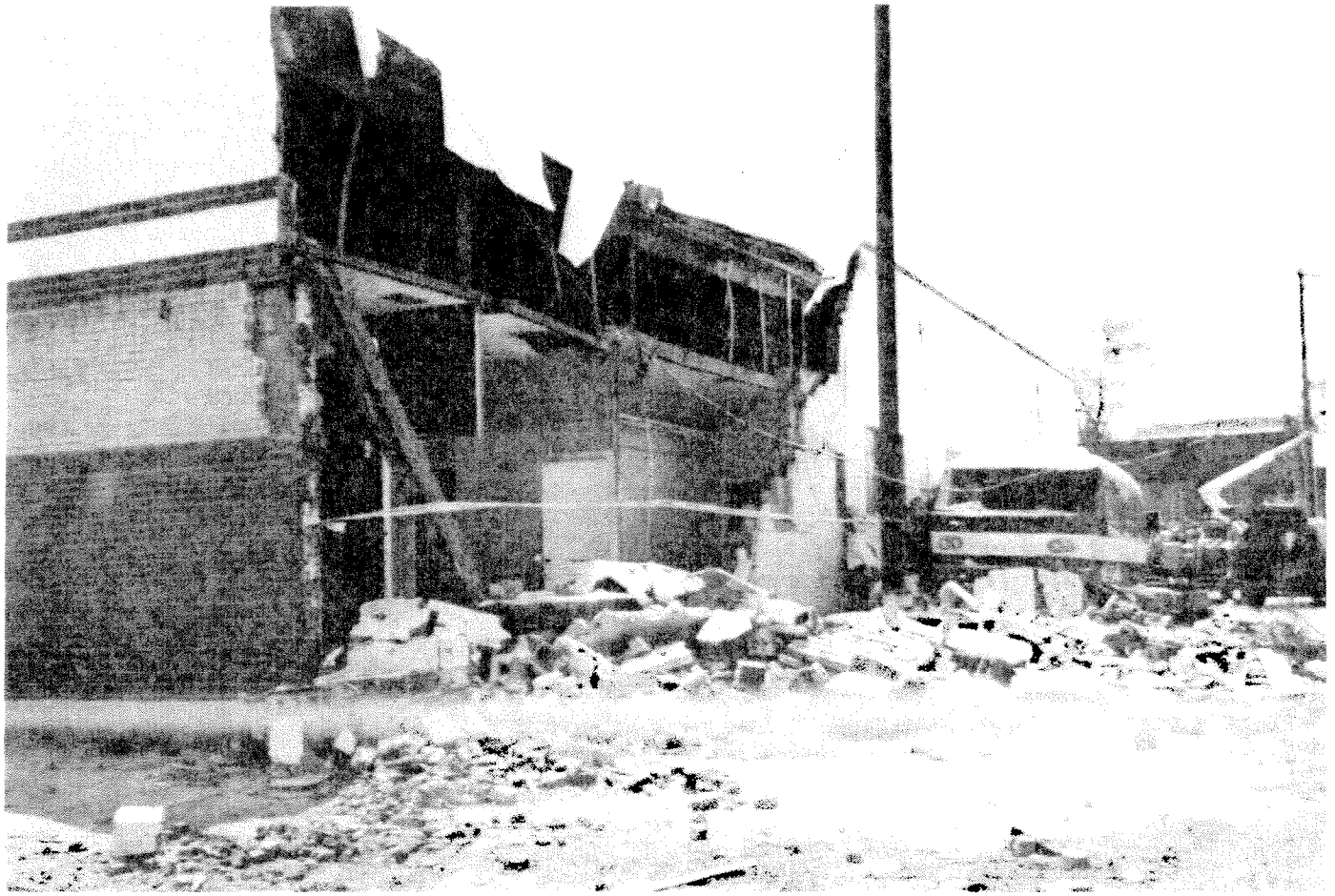
storage. We assembled at the east edge of the metro Denver area at 8:00 a.m. Friday morning to brief the volunteers and car pool to Limon, 90 miles away. Each of the volunteers provided their own tools and equipment for the assessment.

Communications, one of the very critical elements of disaster coordination, is in limited supply at the beginning of the assessment period. Help of all kinds pours into the affected area and Limon was no different. The local sheriff with the help of other law enforcement agencies has set up security in the area to prevent looting, theft, or injury to persons who should not be in the affected area. Although the local officials in town knew we were coming the word had not passed to these officers on the road blocks.

The Town Hall had been flattened by the tornado and temporary offices were relocated to another part of town and we were having trouble negotiating through the damaged area to find them. Finally the Colorado Chapter's Building Assessment Response Team arrived at the new offices and began assembling means of identification, inspection lists and forms, and devised strategies by about 11:00 a.m..

We were not completely prepared with inspection forms and time was spent in copying these forms and lists of inspections. We began the assessment and placarding of the affected area just before noon. The inspection teams of two to three inspectors fanned out in the business district first. The Red Cross had set up a kitchen in the school and provided a good lunch and other meals for us during our two day stay. The local business owners made us feel welcome and provided access to their buildings and made arrangements to get into other buildings as needed.

The team regrouped during the day at a headquarters in the temporary offices of the town and we began to assemble records and information. We set up a clearing office for inspection requests from affected citizens. A local engineer managed to get prints of the zoning maps which made job assignments and the plotting of damage easier. That first day the team inspected and placarded 64 buildings with the efforts of 15 inspectors. The next day new volunteers and the now veteran inspectors checked and placarded another 90 residential buildings. The Department of Housing helped out by providing rooms at a local motel for the members of the team.



The team learned a great deal in helping the Town of Limon and gained experience that we will always be able to use. Having met the other disaster volunteers and agencies will help us prepare even better. After a debriefing meeting of members of the assessment team, a new Colorado Chapter ad hoc committee was commissioned by President Thomas which will let us prepare even more effectively.

The information we gathered for the town will certainly help in obtaining aid and rebuilding efforts that will come later. We received many comments on how organized and responsive to the citizens requests for inspections the team was. Our efforts were supported by the assistance of the Department of Local Affairs, Department of Disaster Emergency Services, Colorado Department of Housing, the local town officials and volunteers, the Red Cross, the county sheriff's office and their volunteers, and most especially the kind and gracious citizens of the Town of Limon.

The Colorado Chapter can be very proud of their volunteers and themselves for the foresight and means to help the Town of Limon and the State of Colorado's need for emergency building assessment response during this disaster and others that may come later.

Dr. Sherry Oaks of the University of Colorado led a team of graduate students through the town using the ATC-20 method of damage assessment. This method was used after the Loma Prietta earthquake. It was interesting to find the two teams were not significantly different in their results. In comparing the two methods, ICBO Mitigation Plan and ATC-20, we found each plan has portions that were better adapted to use by the persons assessing or persons occupying affected buildings.

The ATC-20 method has a field manual for building damage comparisons with photo examples for the assessor, and the ICBO plan has a wider range of building condition placards to address the needs of utility companies and building occupants. Dr. Oaks' report will soon be out; with an in-depth discussion of these observations.

COLORADO CHAPTER JUNE MEETING REVIEW

Becky Baker, City of Englewood

Colorado Springs - Rolf Philipson, Regional Building Department hosted the June 22 meeting held in conjunction with CML's annual conference at the Sheraton Hotel in Colorado Springs. As usual, Brice Miller did an outstanding job putting together this chapter meeting with an agenda focused on administrative subjects and timely issues.

The first speaker was Dr. Sherry Oaks, University of Colorado, who presented an excellent slide show and summary of the Limon tornado damage and the recovery effort. Her group investigated structural damage and she reported that the Colorado chapters' assessment and theirs, were virtually identical. She also observed that the methodology and placards that were used by the Colorado chapter were very effective.

Next, John Maldonado, Director of the Colorado Division of Housing, discussed House Bill 13, which expands the authority of the division to include the certification of factory built non-residential structures. He also talked about House Bill 1054 which mandates that the Division of Housing promulgate and adopt standards for the installation of manufactured housing that will be enforced by the local officials. A meeting has been set for July 10 to further this objective.

The keynote speaker, Robert O'Bannon offered many insights from his years of active involvement in and with building departments. An overview of his observations:

- * Document discretionary decisions, make them policy, and keep them current. An example would be anywhere the code says, "the building official may allow..." The greatest danger is being arbitrary and requiring different things of client A than client B.

- * The building official is first and foremost a manager.

- * Training must be geared towards the level and abilities of the learner, and it must be something that can be used. A good instructor is motivated and one can learn to be a good instructor.

- * The greatest building department resource is another building department. Use the phone.

- * Public relations is all encompassing. Each and every interaction can be viewed from this aspect. Plan review and inspection are critiques, and few people take criticism of their work well.

- * Plans examiners and inspectors should work together as a team. When plans are done, review them with the inspectors, and plans examiners should regularly go out into the field with the inspectors.

- * For improved political relations work to keep the upper levels informed, and emphasize that the code is only a minimum standard.

- * Believe that your department is the most important function of government.

- * All building departments work better when they have a direct line to the city or county manager, rather than being a subordinate division of a larger department.

The meeting concluded with a program by Kermit Robinson and James Besse, Building Accessibility Task Force, who provided background information on the proposed changes to the UBC regarding handicapped access and design. They also pointed out that while many states and local jurisdictions have access requirements, few, if any, have taken egress for the disabled into consideration.

PEOPLE

THOMAS TALBOOM, formerly the building official in Rock Springs, has joined the staff of Tyree Associates. Welcome to Colorado!

KIRK SCHWEITZER has accepted the position of building official for the City of Louisville. Congratulations!

TOM HAMBLÉN has accepted the position of building/zoning official for the City of Evans. Best Wishes!

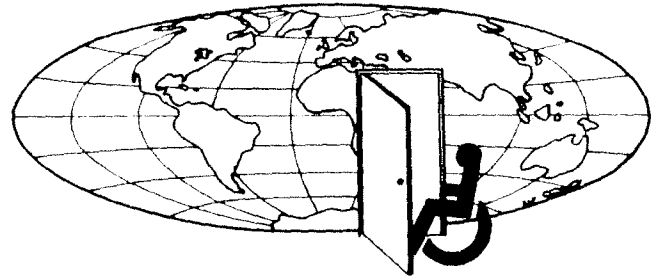
WAYNE JANISH will be the new building official for Douglas County. Congratulations!

VOLUNTEERS NEEDED

The Colorado Chapter ICBO is the host chapter for the ABM in Denver and volunteers are needed to provide the manpower for various 1990 Colorado Chapter sub-committees. If you can assist during the week of September 8-14, please contact Tom Thompson at 469-3301, or Wally Prebis at 238-5674.

DISABLED RIGHTS BILL

Signed by President Bush in July, approved by the U.S. House of Representatives in May and the U.S. Senate last year, this bill would bring about extensive changes in the workplace, restaurants, hotels and public transportation. Firms with more than 15 employees could not refuse to hire a qualified disabled applicant and must make "reasonable accommodations" to make the workplace accessible or the job do-able by disabled workers.



FEDERAL FAIR HOUSING ACT AMENDMENTS OF 1988

In 1988 the U.S. Congress amended the Fair Housing Act. One of the amendments was to require most new multi-family residential buildings to be extensively accessible to the disabled. The rules published by the U.S. Department of Housing and Urban Development (HUD) in January of 1989 require buildings for which application for building permit is made on or after January 13, 1990 to comply with these standards. In addition building for which first occupancy is granted on or after March 13, 1991 must comply.

The Fair Housing Act requires all building of four or more dwelling units to be completely accessible, and all units within the building shall be adaptable. There were a few exceptions; the first is for buildings without elevators. In these buildings only the ground floor dwelling units need be accessible. The amendments also allow buildings with unusual site conditions to be exempted. Dwelling units with more than one floor level may also be exempted.

Responsibility for compliance rests on the shoulders of the designer, developer, and owner. Local jurisdictions have no responsibility, or authority to review plans for compliance with the Fair Housing Act.

The Fair Housing Act is part of the federal civil rights laws. People who do not comply with the act can be prosecuted under the established anti-discrimination statutes.

Each building official should consult with their attorney's office to determine what action, if any, should be taken on their part. Continued compliance with

the Uniform Building Code requirements and Colorado Revised Statutes, Title 9, Article 5, Section 101 et seq. is recommended. Applicants for multi-family housing may be advised of their responsibility to comply with the Fair Housing Act and they can contact HUD for further information. In Denver, the HUD Fair Housing and Equal Opportunity Compliance Division office phone number is (303) 844-6158.

1990 CALENDAR

August 9	Code Change Committee Meeting, Lakewood
August 23-24	Chapter Meeting, Beaver Creek
August 21	RCSE Test
September 8	Pre-Conference Day in the Rockies, Summit County
September 9-14	ICBO ABM, Denver
October 12	Chapter Meeting, Denver
November 13	RCSE Test
December 6-7	CO Chapter ABM, Lakewood

MAJOR CODE CHANGES TO BE DEBATED AT THE 1990 ABM

Tom Thompson, City of Broomfield

The code change session for this year's ABM will commence on Monday afternoon and is scheduled to continue through Thursday. This, being the third year of the code development cycle, is the last opportunity for consideration of code changes which will ultimately become part of the 1991 edition, Uniform Building Code. The challenge agenda has been scheduled for distribution during the week of July 23rd. The Colorado Chapter's Code Change Committee will be meeting August 9, at the City of Lakewood, at 9:00 a.m., to review the agenda, adopt positions on various items, and make speaking assignments. Anyone interested is encouraged to attend. The Colorado Chapter challenged 22 of the Code Development Committee's recommendations. There are approximately 160 items on this year's agenda. If you cannot attend the meeting but would like to provide written comments on any of the agenda items, send your comments to Tom Thompson, PO Box 1415, Broomfield, CO 80038-1415. Written comments will be provided to the committee for their consideration.

BUILDING ACTIVITY ON THE WESTERN SLOPE

Andy Montoya, Eagle County

The western slope is experiencing a record high number of building permits. In fact, the number of building permits has been on the incline for the past three years. In 1989 Eagle County issued 501 building permits totalling \$101 million. Pitkin County issued 507 building permits totalling \$97 million. There are several reasons for the rapid growth in our mountain communities. Of course, the beautiful scenery and serenity of the mountains are very attractive and those who can afford to relocate feel that it is a much safer and calmer environment in which to raise their children. The prospect of a self-owned business in a young community is also enticing to those who are weary of working in the cities. Another reason is that the mountain communities are turning into year round recreational resort areas.

Some of the major code changes which will be debated at the ABM include:

- Item 25 expanded requirements for structural observation,
- Item 32 new outpatient surgery center provisions,
- Item 52 open parking garage code changes,
- Item 84 changes to the day care section of the code,
- Item 105 new provisions for congregate residences,
- Item 107 changes to natural light requirements,
- Item 113 new requirements for barriers around pools,
- Item 119 revisions to the foam plastic section,
- Item 226 new requirements for building accessibility,
- Item 286 expanded requirements for automatic sprinklers,
- Item 330 new requirements for site accessibility.

The code change session is extremely educational. The hearing is the culmination of the code change process. The debate which takes place to justify or defeat any proposed change is very informative, providing the code user with background for how and why the code evolves as it does over the years.

Where skiing was once the main activity in the resort areas like Steamboat Springs, Vail, Aspen, Telluride, and Breckenridge; these communities are now offering many more things to do. Golfing and backpacking are gaining in popularity. The biking paths not only offer exquisite views, they also vary from leisure cycling to quite challenging. The rivers offer kayaking, rafting trips, and of course fishing for native rainbow and german brown trout. An ever growing number of reservoirs being created offer waterskiing, boating, as well as camping. The western slope communities are increasing the cultural activities that are being offered such as lectures, dinner theatres, concerts, ballets, poetry, and art shows. These activities are attracting our older generation as well, so that the more affluent retired person is relocating to mountain communities. It's obvious that the rapid growth of our mountain towns is due to the desire to experience more leisure and physical activities and to experience the tranquility that mountain living offers.

COLORADO CHAPTER ABM ACTIVITIES - 1990 COMMITTEE REPORT

Perry C. Tyree, Chairman 1990 Committee

As most of you know, the Colorado Chapter is deeply involved in the ICBO Annual Business Meeting to be held September 9-14, in Denver. The 1990 Committee has created several special events and features that ICBO conventioners have not previously experienced. The conference in Denver will be a great one with the addition of our enhancements.

Some of the highlights of things to expect in Denver, outside of the code change and education sessions include:

* Saturday in the Rockies Extravaganza. This all out effort by the chapter will take place on Saturday, September 8. Preregistered conventioners will be shuttled to Summit County early in the morning for a day of mountain climbing (non-technical 14'er), golf, fly fishing, cycling, jeep tours, horseback riding, or shopping in Breckenridge and Silverthorne. Colorado Chapter members will lead each of these events; which start with breakfast on the shuttle, drop-off at their chosen event, a box lunch picnic in the mountains, and a wine and cheese party before returning to Denver. What a great way to enjoy autumn splendor in the Rockies.

* The Sunday sports activities will be at Arrowhead (golf) and at Heather Ridge Tennis

Club, both areas will be a special treat for the visiting folks. Some special things will happen there that I can't tell you about without spilling the beans.

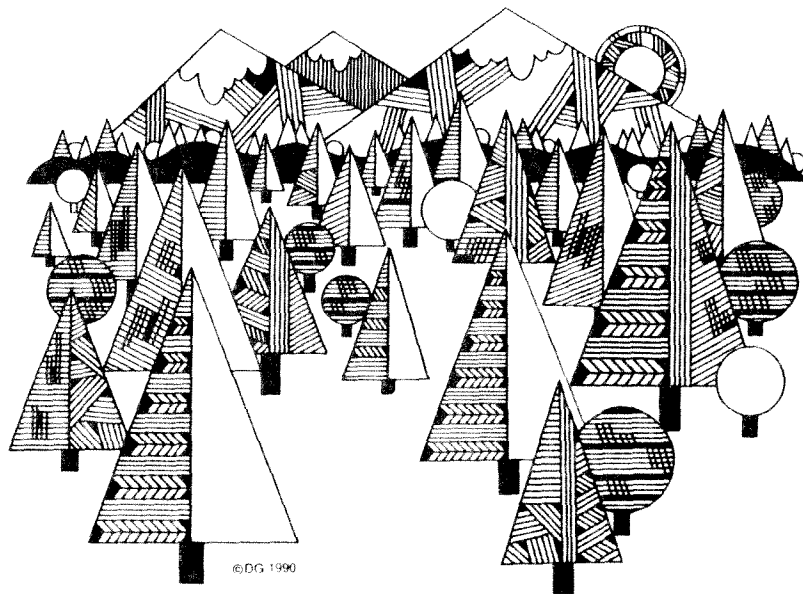
* The Colorado Chapter has set up a special bus schedule for people that want to go to the Denver Zoo, Museum, Theatre or Imax on Sunday from 10:00 AM to 2:30 PM. This will allow people to get out and about the town, learn the lay of the land, and will be especially effective if the day turns out to be normally beautiful.

* The First Timers Banquet on Sunday evening should be a blast with a country western band and theme, and bit of special entertainment. (Dan suggested a mechanical bull.) The flowers and corsages will be by the Colorado Chapter, as usual, and the evening should be very friendly.

* Through the week the Colorado Chapter Code Change Committee will be hard at work on the code change floor, involved in the dialogue on a bunch of challenges. The Companion Program will be further enhanced by a number of tidbit surprises initiated by the "spouses committee".

* The Thursday night banquet will be highlighted by chamber music throughout the meal, and specially bottled and labeled Colorado Chapter chardonnay and merlot wine from Plum Creek Wines. Each wine will be appropriately served in it's own monogrammed wine glass for each person to take home with them as a remembrance of the occasion.

There are other special touches that the Colorado Chapter will be providing. Plan on attending, it will be **THE ABM TO REMEMBER.**

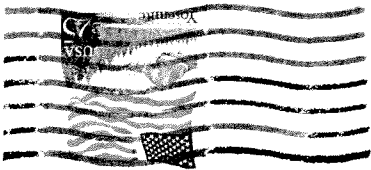


OFFICIALS
BUILDING
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LETTER TO THE EDITOR

Editor:

The recent Colorado Chapter Meeting in Colorado Springs on June 22 was one of the best ever. The report on the Limon tornado was both interesting and stimulating, and spoke well of how our forces rallied to help in time of need. The reason for this letter, however, is to comment on the program given by Bob O'Bannon, formerly with ICBO in Whittier.

Mr. O'Bannon's presentation was dynamite: both informative and entertaining. One of the highlights was his definition of Portland Cement; a definition that required drawing on his memory. I was aghast to discover that only two people in the entire audience of over 50 were familiar with that definition: Mr. O'Bannon and myself. It would seem to me that anyone claiming to be a "certified inspector" surely would be familiar with this definition dealing with a most prestigious material. What makes matters worse is that I must now assume our members are equally unfamiliar with the definition of concrete, something they see in the field every day. As a public service then, I am enclosing that most important definition in hopes of increasing the knowledge of our membership and preserving the life and safety of the public.

Wally Prebis, P.E.
Executive Director
Colorado Prestressors Association

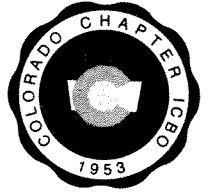
DEFINITION OF CONCRETE

Concrete is a heterogeneous system of solid, discrete, gradiently sized, inorganic mineral aggregates, usually plutonic (feldspatho-siliceous or ferro-magnesian) or sedimentary calcareous in origins, embedded in a matrix compounded of synthesized poly-basic alkaline and alkaloidal silicates held in aqueous solution and co-precipitate dispersion with other amphoteric oxides, this matrix being originally capable of progressive dissolution, hydration, reprecipitation, gelatin and solidification through a continuous and coexistent series of crystalline, amorphous, colloidal and crypto-crystalline states and ultimately subject to thermoalotriomorphic alteration, the system when first conjoined being transiently plastic during which stage it is impressed to a predetermined form into which it finally consolidates, thus providing a structure relatively impermeable and with useful capacity to transmit tensile, compressive and shear stresses.

COLORADO CHAPTER NEWS



Special 1990 ABM Preview



STATE OF COLORADO

EXECUTIVE CHAMBERS

136 State Capitol
Denver, Colorado 80203-1792
Phone (303) 866-2471



September 10, 1989

Roy Romer
Governor

Greetings:

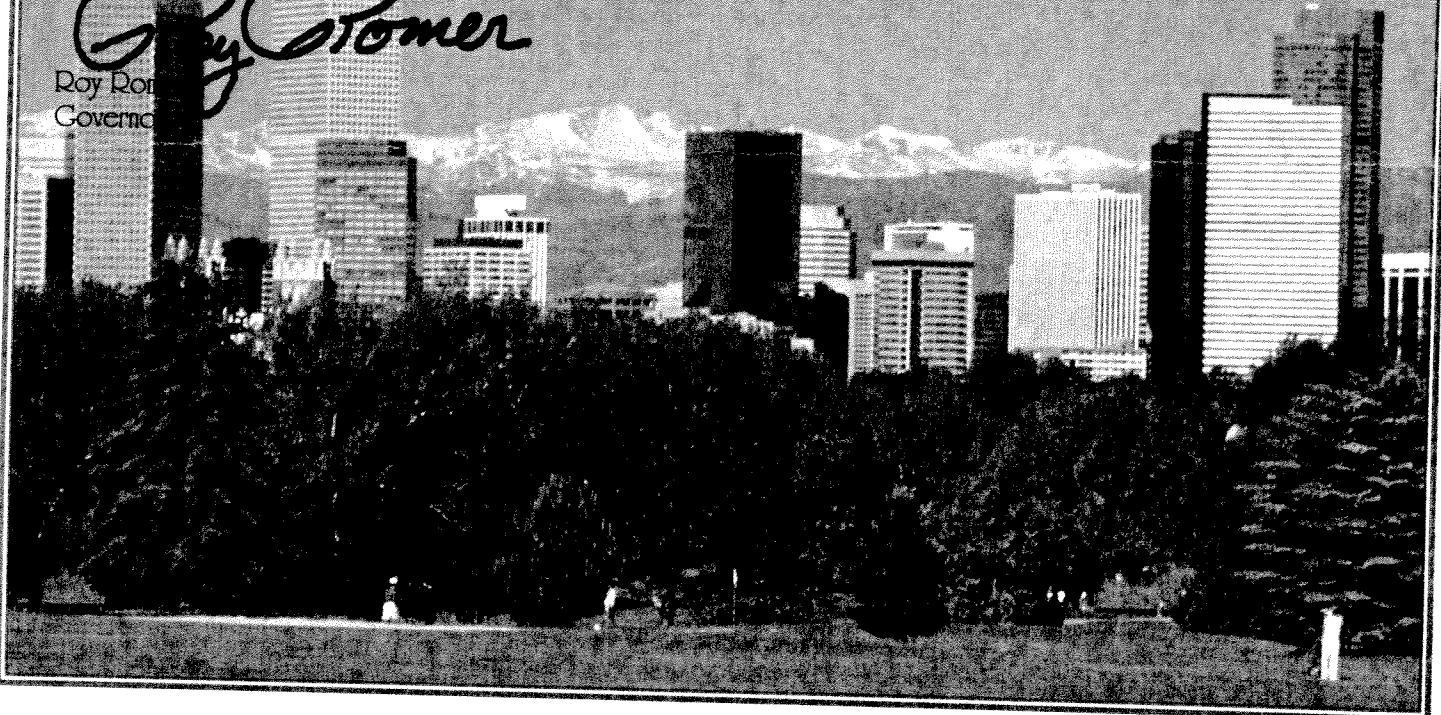
It is my pleasure to welcome you and your guests to Colorado for the International Conference of Building Officials' 68th annual conference in 1990.

While you are here, you will want to take time to explore Colorado. The spectacular Rocky Mountains offer some of the finest hunting, fishing, hiking and national and state parks in the world. Colorado also has much to offer art patrons. Opera Colorado, the Central City Opera, symphonies, theater, museums and zoos are a few of the many attractions you will want to visit while experiencing our beautiful state. Colorado's Superior facilities, invigorating Rocky Mountains, inspiring fine arts and friendly citizens will ensure members and guests a memorable conference.

I am sure you will find that you are warmly welcomed by the citizens of our state.

Sincerely,

Roy Romer
Governor



PRESIDENT'S MESSAGE

Dear Members and Friends,

The Colorado Chapter is looking forward to hosting the 1990 Conference. Colorado has so much to offer. What could be more spectacular than the Rocky Mountains. As you read through this newsletter you will see that our Host Committee and the rest of our Chapter have been very busy.

The Marriott Hotel in downtown Denver is two blocks from the mile long 16th Street Mall. The mall provides a unique setting of shops, restaurants and entertainment. Transportation is provided by free shuttles. There's no need for a car, unless you want to explore areas outside of Denver.

As you might expect, the Colorado Chapter is doing something a little different for 1990. We've added a pre-conference Saturday Event consisting of several ways to experience the Colorado Rockies. You'll be arriving at a time when the autumn colors are changing and the weather should be perfect. We hope you will take advantage of this opportunity.

The conference agenda and the Companion Program, are filled with things to do, so, plan now for 1990 in Colorado.

Char and I will be looking forward to seeing you all.

Sincerely,

G. Noel Vargo
President

1990 COMMITTEE AT WORK

The 1990 Committee of the Colorado Chapter ICBO has been working on the program and special events for the Denver meeting for over two years. It is our goal to make this meeting a memorable one for the conference attendees.

Using the backdrop of the Rockies and the casual western living of Denver as our vehicle we have planned the activities to please those desirous of climbing a mountain or just playing cards in the hotel. The spouses program will introduce a variety of trips and events and should satisfy even the most adventuresome. The Sunday pre-conference program will contain the usual tennis and golf events but in breathtaking settings. The special Colorado Chapter sponsored "DAY IN THE ROCKIES" will provide a variety of ways to be out-of-doors in the mountains during the most beautiful time of the year in Colorado.

The twenty-four member planning committee has combed the area for talent and events to make this convention the best ever. The Colorado Chapter members and their spouses are dedicated to providing the very best of the Rockies for your enjoyment so that the business portions can be more enjoyable, too. Don't miss it!

PHOTO CREDITS: DENVER METRO CONVENTION & VISITOR BUREAU
BRECKENRIDGE CHAMBER of COMMERCE
SUMMIT COUNTY CHAMBER of COMMERCE
MARK GRAHAM * TODD POWELL * BOB WINSETT

ABOUT DENVER

Rolling plains rise to meet the foothills of the Majestic Rocky Mountains. It is here near the center of the state that Denver, the Mile High City, stands on land 5,280 feet above sea level.

Contrary to popular belief, Denver is not in the mountains; it is near them.

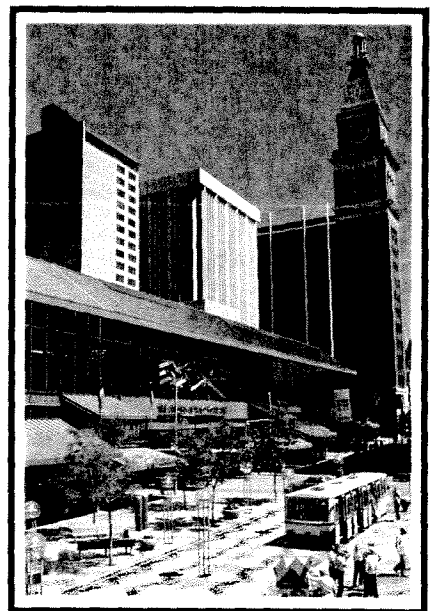
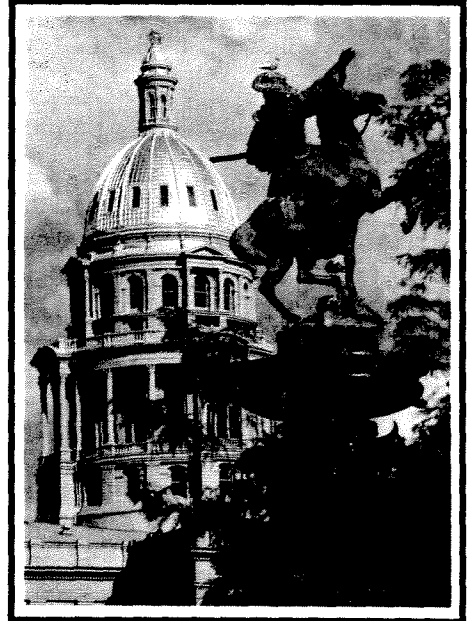
The Foothills (a gentle series of peaks ranging from 7,000 to 10,000 feet) start to rise 12 miles west of the city. The Front Range, a string of snowcapped peaks that include Rocky Mountain National Park, Pikes Peak and some major ski areas, are more than 30

air miles west of the city. Denver itself is flatter than Manhattan, making it easy to walk to points of interest within the city.

The Denver Mint, one of three in the United States, offers free tours showing how 1.3 million dollars in coins are produced each day. For art lovers, the Denver Art Museum features over 35,000 objects. They're housed in a remarkable 28 sided structure that's a piece of sculpture in itself.

Or try a romantic carriage ride through the city, then relax and enjoy fine dining at its best at dozens of outstanding restaurants. Perhaps theater, either Broadway or comedy is your choice. Dancing is offered everywhere, although some may prefer to simply tap their feet listening to an endless variety of music ranging from

Jazz to Country, Rock, or Classical. Whatever your choice, Denver has it all!



SPORTS ACTIVITIES

The traditional Sunday morning conference **GOLF TOURNAMENT** will be held at

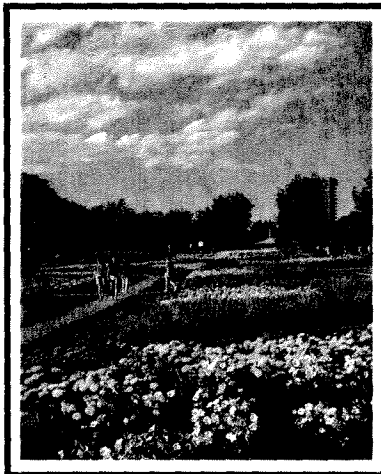
Arrowhead Golf Club. Located just southwest of downtown Denver at the base of the foothills of the Rocky Mountains, this Robert Trent Jones, Jr. designed course is nestled among spectacular red rock formations.

Arrowhead is rated as one of the top 25 public golf courses in the nation. This absolutely unique golf course is guaranteed to provide one of the most enjoyable and memorable rounds of golf you have ever played.



The **5 KILOMETER FUN RUN** will be held at Washington Park, just 15 minutes from the Marriott Hotel. The course will be a looped paved route, relatively flat, and will be suited to walking as well as running.

Washington Park is a beautiful urban park with two lakes and a considerable variety of trees, flowers, and animals.



The **TENNIS TOURNAMENT** will be held at Heather Ridge Country Club in Aurora, a suburb of Denver. The club has numerous courts located both in- and outdoors. A tennis professional will assist in the organization of the tournament.

FIRST -TIMERS BANQUET

Lots of cowgirls, cowboys and Indians are expected for the western theme Sunday evening banquet in honor of all First-Timers. Entertainment in the form of western music and a western style dance team will highlight the evening.

The traditional Colorado carnation corsage will be presented to each lady First-Timer by the Colorado Chapter.

SUNDAY IN THE PARK

On Sunday, as an additional activity, you will be able to enjoy one of Denver's finest parks. City Park, which includes the Zoo and Museum of Natural History, has 314 acres of lawns, lakes, and gardens. Established in 1881, there are numerous Victorian touches throughout the park.

The Denver Museum of Natural History is the seventh largest natural history museum in the U.S. and features the best Dinosaur Hall in the central state region. Nearly 90 dioramas present plants and animals of the world. American Indian Hall displays artifacts from Alaskan Eskimos to Florida Seminoles. Coors Mineral Hall features gems, minerals and Colorado gold. The museum also includes Gates Planetarium, and the Imax Theater, where super-large films flash on a giant theatre screen, literally immersing audiences in stunning cinematography.

WEDNESDAY NIGHT

The fact that the 1990 ICBO meeting will be held during the big code change year, won't rain on the parade of special activities planned for the attendees of this meeting. On Wednesday night rather than traveling to a remote area on buses, a **WESTERN CASINO PARTY** is planned in the hotel. This party will feature casino gambling (with funny-money) and will have entertainment, an extraordinary layout of food and drink, and dancing. All of this will be presented in the western theme of the 1990 conference. So you **CAN-CAN GIRLS** come in your sequined outfits and the **BRET MAVERICKS** put on your checked vests with built-in derringers. Or, if you choose, any western style clothes will fit into this theme.

COMPANION'S CORNER

While your spouse is actively involved in the daily scheduled activities of the conference, cooped up having to absorb all that information--you will have the distinct pleasure and opportunity of absorbing some of Colorado's sunshine and beauty. We hope this brief article will help make your time in Denver an enjoyable experience you'll want to repeat.

Denver is famous for having sunshine 325 days a year. This makes for great vacationing weather, however due to the altitude, some people may burn rather than tan, therefore sunscreen is advised for tender skin.

Casual attire is common in all but the most elegant shops and restaurants, so come dressed for comfort and relaxation. While you prepare for recreational activities, keep in mind you are a mile higher than sea level.

While we don't necessarily suggest bringing a wardrobe from bikinis to snowmobile suits, we remind you to bear in mind daytime activities can be very warm, with the temperature in the 70's or low 80's during the day, dropping drastically into the low 60's by early evening. Sweaters or light jackets are usually needed for evening festivities.

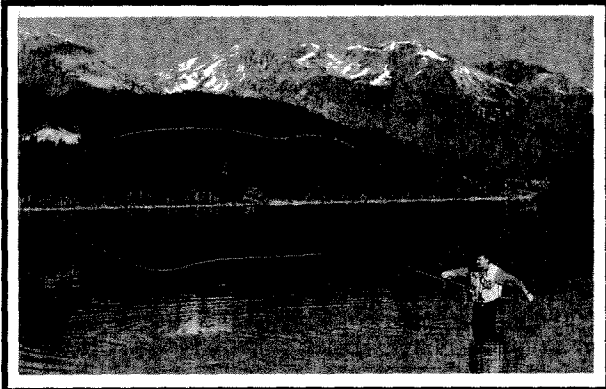
PRE-CONFERENCE EXTRAVAGANZA

On the Saturday before the 1990 Annual Business Meeting, the Colorado Chapter will host an excursion to the Rocky Mountains. You will take a 90 minute bus ride to Summit County, a world-class resort, where you will participate in a variety of mountain activities. As you head west into the high country, you will be greeted by the spectacular scenery offered by the yellow glow of the changing aspen and the fall's first dusting of the snow-capped peaks.

Upon arrival in Summit County you will be ushered to the activity of your choice. And that choice will be difficult.

BIKE RIDING Rent an 18-speed mountain bike and experience some of the over 45 miles of paved bike paths in Summit County. Varying degrees of difficulty are offered from scenic trips through Ten Mile Canyon to a more demanding trek over Vail Pass to Vail.

FLY FISHING This group will fly fish for Brook, Brown, Cutthroat, Lake, and Rainbow Trout as well as Kokanee Salmon under the expert tutelage of experienced outfitters. The morning will be spent fish-



ing in the crystal blue waters of a secluded lake in the Eagle's Nest Wilderness Area. After lunch, you will try your hand at stream fishing in the Blue River's "Gold Medal" water.

GOLF If you are a golfer and you have never played a "mountain course" before, don't miss this opportunity. Don't forget your camera as you will surely want to record your play through elk meadows, trout streams, calm lakes, and other scenery you would never imagine could grace a golf course. Don't forget your clubs either.



HORSEBACK RIDING This tour will visit the historic silver mining country surrounding Keystone, Colorado. Flora and fauna abound as you ride under the watch of the Continental Divide.

JEEP TOURS The tour will visit a restored gold camp near Breckenridge, Colorado. After lunch, an extensive tour of the mining back-country will begin. The history and the scenery will be quite self-evident.

MOUNTAIN CLIMBING A select group will depart Denver in darkness in preparation for a seven hour climb up

14,265 foot high Quandry Peak. The mountain is spectacular, yet accessible. This will be a non-technical climb and no special equipment or training is required. All you need is an appetite for exercise and adventure. An experienced "Sherpa" will guide you to the top of this dramatic "fourteener".



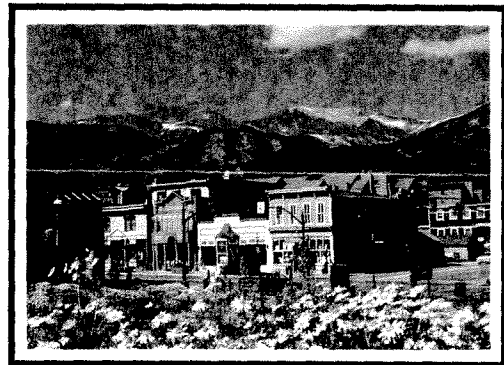
SHOPPING Spend the morning leisurely browsing the many shops in Historic Breckenridge. The victorian aritecture in this colorful historic district provides a unique setting for your enjoyment.

After lunch, you will take advantage of the tremendous savings offered at the

Factory Outlet Stores in Silverthorne, Colorado.

These activities will fill the day, with most departing the hotel around 8:00 am, and returning about 5:00 pm. Fees will range from \$10 to \$45 depending on the activity chosen. Please watch for specific details in next year's pre-registration packet.

Whether you are familiar with Colorado, or just want to get acquainted, we know you will enjoy Saturday in the Rockies.



September/October 1990

**COLORADO
CHAPTER**

News



PRESIDENT'S MESSAGE

The 68th Annual meeting of the International Conference of Building Officials is over and everyone had a great time. I would like to thank Pete Tyree and the 1990 Committee for all of their hard work. Thanks are also in order for all of the Colorado Chapter members who assisted before, during, and after the conference. These are the people that made the conference successful. Teri and I received numerous comments about how great the meeting was. Some said that it was the best annual meeting they had ever attended. People enjoyed themselves immensely.

Tom Thompson and the Code Change Committee should be congratulated on their success also during the meeting. I know how hard it is for them to prepare for the code change hearings while helping the organization with other events. I also know that the position paper, put out by their committee, was very helpful to people like me who did not have time to prepare for the code change discussion.

Now that the annual ICBO meeting is over, where does the chapter go from here? The Board of Directors and Officers of the chapter will be holding a five year planning session on October 11, to answer that question. We will be discussing the future of this organization. I would like to ask every member to think about this subject and speak with one of the officers or directors. It is very important to look into the future so we can continue to improve our service to the membership. Your input is invaluable to this process.

One area of discussion will be a past presidents committee. I am hesitant to create such a committee without giving it some direction on what to do. If you have any ideas on how the past presidents of the Colorado Chapter can help us, please get in touch with me. This is a great resource that we should not let get away.

Sincerely,

Steve

Steve Thomas
President

ICBO ANNUAL EDUCATION and CODE DEVELOPMENT CONFERENCE

Denver - The 68th Annual ICBO Education and Code Development Conference was held September 9-14, at the Denver Marriott - City Center. Hosted by the Colorado Chapter and Steve & Teri Thomas, the official host and hostess, the conference was an exciting, enjoyable and successful event. The conference was preceded by a Saturday event, "Saturday In The Rockies." More than 150 conference attendees enjoyed the beautiful setting of picturesque Summit County. The most spectacular accomplishment of the day was the success of more than 15 people who "bagged" a 14,000 ft. peak. Pete Tyree led an expedition consisting of many flat-landers up Mount Quandary. Participants also enjoyed fly fishing, horseback riding, jeep tours, bike riding (to the top of Vail Pass), golf, and shopping.

The Sunday evening First-Timers' Dinner/Dance was a lively party. Western attire and elaborate costumes heightened the festivities. Country Western dance lessons were given allowing all persons to participate in the dancing.

Two education sessions on Monday were short courses conducted at the Paramount Theatre. The first presentation, "*Media Relations - A Self-Defense Course*," was a humor-based course for avoiding mistakes when dealing with the media. The second course "*The Building Inspector As A Witness*," addressed the responsibilities of building department personnel with respect to legal proceedings.

At Monday's general luncheon Mayor Federico Pena discussed the "Denver Decade" evidenced by the new Denver airport under construction, the recently completed Colorado Convention Center, and Denver's bid for a major league baseball team. Entertainer Baxter Black shared his philosophies on recycling road kill, introducing a Boston reporter to rocky mountain oysters, and pre-nuptial counseling.

The opening of the code change session Monday afternoon saw three emergency amendments approved by the membership. Unofficial attendance at the conference was: Voting Class A - 504, Companions - 336, Code Hearing Only - 38, Observer - 41, Nonvoting - 309, for a total of 1228.

On Tuesday Kay Krebs, City of Denver, conducted a comprehensive tour of the public and non-public areas of the center including: catwalks, mechanical rooms, emergency generators, roofs, fire command center, and kitchen areas. The convention center is nearly one million sq. ft. utilizing horizontal exits, areas of refuge, and stair enclosures, and interestingly there are no rated corridors in the fully sprinklered building.

Sports awards were given to the following people: Bill Barnes and Dave Tyree, 1st place fewest putts, Pete Tyree, 2nd place fewest putts, Dan Nickle, 3rd place fewest putts, Bill Barnes, closest drive to the pin, Bill Baldaccini, sportsmanship in tennis, Shirley Baldaccini, most lobs, David VanAllen, 1st place masters division fun run, Sheryl Helms, 1st place open division fun run, Bruce Wilson, 3rd place open division fun walk.

The Wednesday night outing was a county fair type carnival party at Mammoth Gardens. The buffet party included jugglers, clowns, magicians, dixieland band, game booths and prizes.

Thursday's Chapter Awards Luncheon included a special presentation to the Colorado Chapter from the Town of Limon. Mickey Spillane, Building Official, presented a gift from the town and recognized the Chapter before the ICBO body for its response after the tornado of June 6.

The culmination of the conference was the annual banquet on Thursday night. Each guest received two engraved wine glasses as a keepsake of the conference.

Significant code change items which were approved as revised or amended include: Item 32 new outpatient surgery center provisions, Item 84 changes to allow day care above the first floor, Item 105 provisions for congregate care, Item 113 requirements for barriers around pools, Item 119 revised foam plastic sections, Item 226 requirements for building accessibility by the physically handicapped, and Item 330 requirements for site accessibility.

Most out-of-town attendees seemed impressed by the Colorado Chapter hospitality, extra-curricular activities and attention to detail. The weather was perfect, many new friendships were established and the standard set by the Colorado Chapter as a host will be difficult to duplicate.



Wally Prablis

First-Timers Dinner/Dance (l-r) Gerry Best, Steve Thomas, Bob Foote, Bruce Wilson & Gary Goodell ready for action

CONGRATULATIONS FOR COMMITTEE APPOINTMENTS

The following Colorado Chapter members were appointed to Committees of the ICBO Board of Directors during the 68th Code Development Conference in Denver: **Robert J. Foote**, Chief Building Inspector, City of Commerce City, Administrative Committee, **Gerald George**, Supervisor of Building Inspections, City of Lakewood, Fire and Life Safety Committee, **Gary Goodell**, Chief Building Official, Boulder County, Lateral Design Committee.

They join the following chapter members who already serve on ICBO committees: **Becky Baker**, Chief Building Inspector, Englewood, Small Jurisdictions Advisory Committee, **Robert Minor**, Chief Mechanical Inspector, Colorado Springs, Indoor Air Quality, **Dan Nickle**, Codes Administrator, Lakewood, Education Committee, **John "Rusty" Price**, Director, Codes and Inspection, Littleton, Evaluation Committee. Also, elected in 1989, serving on the ICBO Board of Directors is **Tom Thompson**, Building Official, Broomfield.

MORE COMMITTEE APPOINTMENTS

Marvin Fischer, Chief Building Official, Grand County, has been appointed to serve as a member of the Codes Technical Advisory Committee for the Colorado State Housing Board. He joins **Larry Pirkel** and **Pete Tyree** (chairman) on this committee. **John T. Maldonado**, Director, Division of Housing, made the appointment of Mr. Fischer on August 29, 1990; he will serve a three-year term.



INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS RESOLUTION NO. 7

WHEREAS the International Conference of Building Officials, in session this 13th day of September, 1990, in the city of Denver, Colorado, is now holding its 68th Annual Education and Code Development Conference; and

WHEREAS the success of the Annual Education and Code Development Conference was enhanced by the personal and unselfish efforts and attention to all details by the official host and hostess, **Steven Thomas**, building official, Glendale, Colorado and **Teri Thomas**, and members of the **Colorado Chapter**; and

WHEREAS the membership, with appreciation, recognizes the dedicated effort of the hosts and the **Colorado Chapter**, all of whom contributed to the success of this meeting;

NOW, THEREFORE, BE IT RESOLVED that these members of the Conference, who by accepting such assignments and responsibilities have merited the applause of the membership, be recognized by the president in an appropriate manner.

AUGUST MEETING REVIEW

Sheryl Helms, City of Fort Collins

Beaver Creek - Hosted by Jerry Best, Chief Building Official, Eagle County, the Colorado Chapter held its August 23-24 meeting at the Hyatt Regency. The agenda focused on topics related to fire resistive construction.

Steve Rondinelli, Fire Protection Consultant for the new Denver Airport, and David Nuss, West Adams County Fire Marshal, spoke on fire department operations and passive fire protection. Using a video and in-depth discussion they explained the different ways heat is transferred and how fire loading is determined. Fire loading is the BTU output per pound of material; 0-7 lbs. is considered a light load, 7-15 lbs. a moderate load, and over 15 lbs. a heavy load. The average office has a 7.7 lb. fire load. Other discussions included: built-in fire protection, inspection and maintenance, and manual firefighting. Building officials were encouraged to ride with their local fire departments to develop a better understanding of their operations and emergency response.

The structural collapse of roof members was discussed as the fourth leading cause of death amongst firefighters. Major concerns associated with long span wood trusses in commercial uses exist within the fire community.

Bob Kohrmann of Eagle County talked about the location of smoke detectors and automatic fire sprinkler systems in R-1 and R-3 occupancies with respect to the requirements in UBC Sections 1210 and 3802 (h). As stated in the UBC, every apartment house three or more stories in height or containing more than 15 dwelling units must have an automatic fire sprinkler system installed. Often a project starts as a three story building, but by berming around the perimeter, grade elevation is raised and the building is no longer three stories. Then the sprinkler requirements cannot be enforced unless there are more than 15 dwelling units.

A panel of two building officials, a city manager, a fire chief, and a city council member participated in a round table discussion about combining building and fire code enforcement. Some of the questions discussed were: Why would

combining departments be desirable? What would the effects be both internally and externally? Would there be overlapping and duplication of services? What size jurisdiction would this be most feasible in? What would be the qualifications for staffing? How would the budget be worked out? With combined administration who would be under who - the fire official under the building official or vice versa?

Thursday's session concluded with a tour of the gypsum plant in Gypsum. This facility covers 7 & 1/2 acres and presently produces 60,000 square feet of sheetrock per hour. That is enough to completely rock five houses.

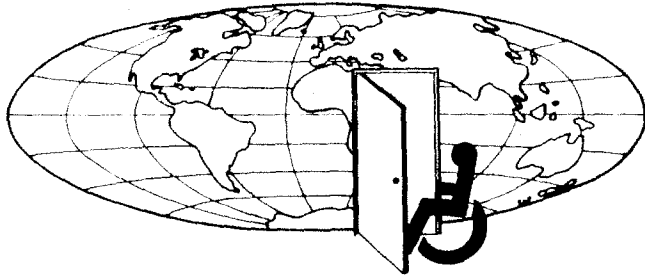
After the business meeting on Friday morning, there was a mock code change hearing to help those not familiar with the rules of debate prepare for the (then) forthcoming code change hearings.

Steve Thomas lead a discussion of UBC Section 3204, Roof Covering Classification. He listed four references verifying some of these classifications. These references are: Underwriters Laboratories Fire Resistance Directory, Warnock Hersey Guide, Factory Mutual Approval Guide, and ICBO Evaluation Reports.

UFC Article 81, UBC Section 3206, and UBC Standard 32-14 relating to high piled storage facilities were explained by David Nuss. High piled combustible storage is considered a "pile" if over 15 feet and a "rack" if over 12 feet; under 12 feet it is exempt from this category. There are five commodity classifications listed in the Uniform Fire Code. Items which must be considered when classifying a product are: the combustibility of the product, how the product is packaged, and the spacing of aisles. Requirements for in-rack fire sprinkler protection, curtain boards, and smoke and heat vents were also covered.

Royce Robinson from Stickney & Company concluded the program by describing the materials, applications, and tests used for fire stopping. He emphasized that only fully tested through-penetration systems should be employed. A firestopping product should not be installed with material that it has not been tested with.

The next meeting of the Colorado Chapter will be October 12 in Denver.



THE AMERICANS WITH DISABILITIES ACT OF 1990 FACT SHEET

The Americans with Disabilities Act (ADA) furthers the goal of full participation of people with disabilities by giving civil rights protection to individuals with disabilities that are like those provided to individuals on the basis of race, sex, national origin, and religion. It guarantees equal opportunity for individuals with disabilities in employment, public accommodations, transportation, State and local government services, and telecommunications. President Bush signed the ADA into law on July 26, 1990. Highlights of the Act as set forth by the U.S. Department of Justice include:

- * Public accommodations such as restaurants, hotels, theaters, doctor's offices, pharmacies, retail stores, museums, libraries, parks, private schools, and day care centers, may not discriminate on the basis of disability, effective January 26, 1992. Private clubs and religious organizations are exempt.

- * All new construction in public accommodations, as well as in "commercial facilities" such as office buildings, must be accessible. Elevators are generally not required in buildings under three stories or with fewer than 3,000 square feet per floor, unless the building is a shopping center, mall, or a professional office of a health care provider.

- * Reasonable changes in policies, and procedures must be made to avoid discrimination.

- * Physical barriers in existing facilities must be removed if removal is readily achievable (i.e., easily accomplishable and able to be carried out without much difficulty or expense.) If not, alternative meth-

ods of providing the services must be offered, if those methods are readily achievable.

- * Alterations must be accessible. When alterations to primary function areas are made, an accessible path of travel to the altered area, (and the bathrooms, telephones, and drinking fountains serving that area) must be provided to the extent that the added accessibility costs are not disproportionate to the overall cost of the alterations.

- * Employers may not discriminate against an individual with a disability in hiring or promotion if the person is otherwise qualified for the job.

- * Employers will need to provide "reasonable accommodation" to individuals with disabilities. This includes steps such as job restructuring and modification of equipment.

- * Employers do not need to provide accommodations that impose an "undue hardship" on business operations.

- * Complaints may be filed with the U.S. Equal Employment Opportunity Commission.

- * Employers with 25 or more employees must comply by July 26, 1992. Employers with 15-24 employees must comply by July 26, 1994.

- * Individuals may bring private lawsuits to obtain court orders to stop discrimination, but money damages cannot be awarded.

All of the above information is available from the U.S. Department of Justice by calling (202) 514-0301, 11 a.m. to 4 p.m. Eastern time.

CALENDAR

October 12	Chapter Meeting Denver
November 13	RCSE Test
December 6-7	CO Chapter ABM Lakewood
February 25- March 1	Educational Institute Sheraton Denver Tech Center

OFFICIALS
BUILDING
OF
CONFERENCE
INTERNATIONAL
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**LIMON TORNADO SPECIAL
INSPECTORS**

The Colorado Chapter would like to recognize the following individuals who were available to perform damage assessment after the June 6, 1990 tornado that devastated Limon, Colorado.

- Gary Goodell, Boulder County
- Don Gisi, City of Broomfield
- Bill Barnes, City of Glendale
- Mickey Spillane, City of Limon
- Becky Baker, City of Englewood
- Larry Pirkel, City of Arvada
- Ralph Derr, City of Westminster
- Gary Beahlin, City of Broomfield
- Gerry George, City of Lakewood
- Tom Thompson, City of Broomfield and Golden Fire
- Rusty Price, City of Littleton
- Jim Conway, City of Denver
- Don Roberts, City of Denver
- Joe Cloyd, City of Denver
- Robert Gonzales, City of Denver
- Jerry Schafer, City of Denver
- Paul Thorniley, City of Denver
- John Brann, City of Denver
- David Nuss, West Adams Fire
- Larry Trumble, Golden Fire
- Daniel W. Figert, A.I.A.
- Wayne "Skip" Nesbitt, Engineer

**OUTPATIENT SURGERY COMMITTEE
FINAL REPORT**

Bob Foote, City of Commerce City

Two and one half years of work by the outpatient surgery committee has culminated in a new occupancy classification in the forthcoming Uniform Building Code, 1991 edition. Group I, Division 1.2 occupancies will regulate the construction and use of outpatient surgery centers. The membership of ICBO ratified the provisions at the 1990 Education and Code Development Conference in Denver. The change as it will appear in the 1991 UBC may be found on page 12 of Building Standards Part III, July-August 1990.

My personal thanks and congratulations to the outpatient surgery committee. Members included Raymond DeCroce, Ron Drey, Gerry George, Gary Goodell, Debra Kaestner, Dave VanAllen and myself serving as chairman. Special thanks to Gerry George for presenting the change at the Hearings in Boise and again in Denver.

November/December 1990

**COLORADO
CHAPTER**

News



PRESIDENT'S MESSAGE

This is the last time that I will be writing this article for the newsletter. As you know, you will be electing a new president in December. It has been a great year. Teri and I would like to say that we were very proud to represent the Colorado Chapter in 1990.

I would also like to take this opportunity to thank all of the members who helped the chapter and me throughout the year. The committee members are the people who have helped the chapter become one of the top organizations in ICBO. The chair-persons have done a fine job organizing the committees and implementing the goals and objectives that I gave them in January when I took office. The chapter officers and directors were always willing to work on chapter business and have been very patient. All of these people made it very easy to be president.

We cannot stop where we are now and forget about the future of the chapter. The officers and directors have brainstormed goals and objectives that must be taken and an action plan will be created by the board to implement them. I think some of the goals are very exciting. They will help improve our careers professionally, and change our images as seen by the public.

You can support the chapter and our next president by volunteering your time to serve on a committee or running for an office. The application is included in this newsletter and must be returned by December 1, 1990 to be considered.

Sincerely,

Steve

Steve Thomas
President

OCTOBER MEETING REVIEW

Denver - Hosted by Clifford E. Henning, Director of Building Inspection for the City and County of Denver, the Colorado Chapter was welcomed by Larry Fullerton, Deputy Manager of Public Works, at the October 12 meeting held in the Denver Bronco locker room at Mile High Stadium. Over 65 persons attended the business meeting, educational workshops and tour of the stadium. Special thanks to Bill Baldaccini, City of Denver, for arranging the meeting at this legendary facility.

The Colorado Chapter business meeting was the first item on the agenda. The Board of Directors met October 11 to continue work on a five year plan for the chapter. The board is brainstorming ideas and areas of concern and will finalize the process with a workplan for the membership in 1991. The 1990 Colorado Chapter membership roster was submitted with copies available at the next chapter meeting or by contacting Dan Nickle at (303) 987-7500. Also, specially labeled for the ICBO annual meeting, Colorado Chapter chardonnay and merlot wine is available at \$6.00 and \$7.00 respectively, by the case or bottle, by contacting Dan Nickle. A discussion was held on the misuse of Blue Ribbon labels on wood shakes and shingles. (Please see Blue Ribbon story this issue.) William "Biff" Baldry, Baldry & Associates, brought up the issue of worker safety on jobsites. Because most construction sites have openings in floors or other potentially dangerous obstacles, Mr. Baldry was looking for support of potential building code changes to deal with job safety requirements.

The first workshop, "Who's guarding the henhouse?" concerned requirements and selection of special inspectors. Gerry George, City of Lakewood, focused on special inspection requirements of UBC Section 306. One item which divided the audience was whether or not the architect or engineer of record on a project should be allowed to provide special inspection for that project. The City of Denver shared their system for pre-qualifying special inspectors, and noted their special inspection requirement form generated during plan review and sent to the owner and contractor. Mr. George recommended the ICBO publication "Model Program for Special Inspection," and noted that since 1937 the UBC has required special inspections and currently requires 13 different inspections. The responsibilities of the building department include:

- * Require special inspection per UBC Section 306.
- * Pre-qualify and approve special inspectors.
- * Verify the approved inspector is on site.
- * Observe inspections to learn from the special inspector.
- * Check records and reports.

In summary, a good special inspection program is a benefit to the building official.

The next presentation was on evaluating existing non-conforming buildings. Rusty Price, City of Littleton, facilitated a group discussion on the problems with existing buildings. Problems include no address file or previous permit records, no certificate of occupancy, annexations, vested rights, life safety issues, and imminent fire hazards. The UBC has two sections for these issues; Section 105 (c) for existing non-conforming buildings which were legal at the time they were built, and Section 502 Exception for new uses which are of a lesser hazard. Also Appendix Chapter I may be useful in making decision regarding life safety in existing buildings. The Uniform Code for Building Conservation is another useful reference when dealing with older structures.

Kay Krebs, City and County of Denver, enlightened the audience with her presentation on the history and use of Denver's amended Chapter 31, rehabilitation of existing buildings. Any building constructed prior to January 1, 1950 is considered historic by Denver. Chapter 31 provides a committee method of review for approval of variances while maintaining safety in a building. The committee recommendation is made to the director of building inspection and the fire chief for a final decision. Matt Kennan, chairman of the Chapter 31 committee, shared his enthusiasm for the procedure. According to Mr. Kennan life safety is the main issue and the applicant must demonstrate what is being done to improve the life safety of the building.

After lunch, which was held in the stadium press room, City of Denver inspectors Phil Marin, Don Roberts, Frank Connors, and Jim Conway shared their methods of assuring successful operation of inspection services. With 61 inspectors to manage and possibly ten separate permits issued on a project, these supervisors have a lot of work. They also discussed the plan correction notice initiated by the plan reviewers which is used as a vehicle of communication with the inspectors.

The final seminar presented by Gary Goodell, Boulder County, was on types of construction. Mr. Goodell reviewed UBC Chapters 17-22, and pointed out some of the less obvious definitions and exceptions within the code pertaining to types of construction.

The meeting concluded with a tour of Mile High Stadium, including the computer operated scoreboard and diamond vision facility, and the control room and method used for moving the east stands. The next meeting of the Colorado Chapter will be the annual business meeting, at the Rodeway Inn, in Lakewood, December 6 & 7.

CODE CHANGE COMMITTEE REPORT

Tom Thompson, Chairman, City of Broomfield

Being an active member of the Colorado Chapter's Code Change Committee requires a great deal of combined and individual effort. This past year the group met six times. Each meeting averaged about six hours. Members are expected to review the material before the meeting, which takes about eight more hours.

A total of 411 code changes were submitted to ICBO for consideration during the 1990 code cycle. The chapter's code change committee began tracking and studying these items last December. Representatives of the committee attended ICBO's Code Development Committee (CDC) meetings in Boise, ID, last January to participate in the deliberations. Following the CDC hearings, meetings were held to consider the various recommendations. The chapter filed a total of 22 challenges. A review of the entire challenge agenda was conducted in early August; the committee provided chapter members with a position paper noting their recommendations on each of the items.

The committee's preparation was evident to those in attendance. The chapter was successful in overturning nine CDC recommendations (50% success rate). The overall conference success in overturning CDC recommendations was 34%. Additionally, the chapter was successful in revising various other recommendations to eliminate concerns. The chapter's position paper on the various code changes was correct approximately 80% of the time. The CDC recommendation was similarly upheld 80% of the time. Altogether 200 code changes were finally approved during this cycle.

With this year's changes added to the 204 approved in 1989 and the 91 approved in 1988, mean that the **1991 Edition, UBC, contains about 500 revisions** to the 1988 edition! To preview the changes made in 1988 and 1989, consult the 1990 Accumulated Supplement. The November-December *Building Standards* will discuss the changes made at the Denver meeting.

Your code change committee will hold one more meeting this year to recap our performance, consider various requests for opinions on code changes for next year, and to assign members to attend next year's CDC meeting, February 4-9, 1991 in Austin, TX. My thanks to Dan Nickle, Gerry George, Ron Drey, Bob Foote, Bill Baldaccini, Jim Madden, Wally Prebis, Becky Baker, Mark Kliver, and Gerry Best for their participation. Anyone desiring appointment to next year's committee and willing to commit the time necessary, should apply using the applicatin in this newsletter.

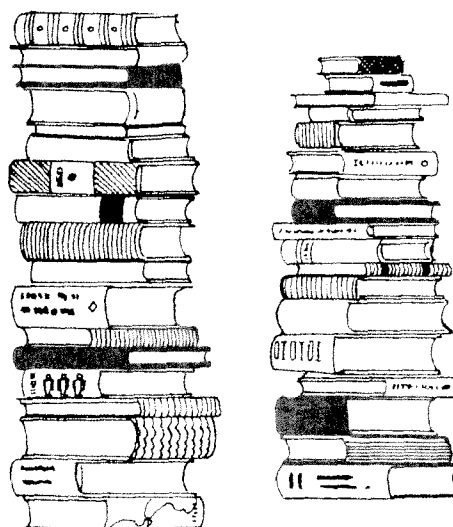
EDUCATION INSTITUTE UPDATE

The invitation is out to attend the Sixth Annual Colorado Chapter Educational Institute, to be held February 26, through March 1, 1991. The institute will continue in the tradition of the best possible education at the lowest possible cost. Tuition for the week remains at \$200.00; one or more individuals may attend any combination of courses totaling not more than 40 hours. Tuition fees include the cost of instruction, course materials, noon meals, and break refreshments. Brochures will be mailed to all institute alumni, ICBO and Colorado Chapter members. If you need a brochure or know of someone who does, please write the Colorado Chapter Education Committee at PO Box 580, Fort Collins, CO 80522-0580.

For 1991 the institute is offering a substantially revised Building Department Administration course path that has been planned with the assistance of Robert E. O'Bannon, the author of *Building Department Administration*. In response to comments from previous attendees, the classes on Advanced Occupancy, Advanced Exiting, and Uniform Fire Code Overview have been expanded from one to two days. Two new automatic sprinkler system courses and a course covering the newly adopted UFC provisions covering aerosols will also be offered. The Ventilation and Pressurization course is also being expanded to discuss the proposed new code requirements for smoke control systems.

The institute will again be held at the Sheraton Denver Tech Center. Continuing Education Units will once more be offered as record of attendance at the 1991 institute.

The Colorado Chapter Education Committee continues to improve what is already recognized as one of the grandest code administration related educational opportunities available in the country today.



CODE DEVELOPMENT COMMITTEE REPORT

David VanAllen, Chairman, City of Longmont

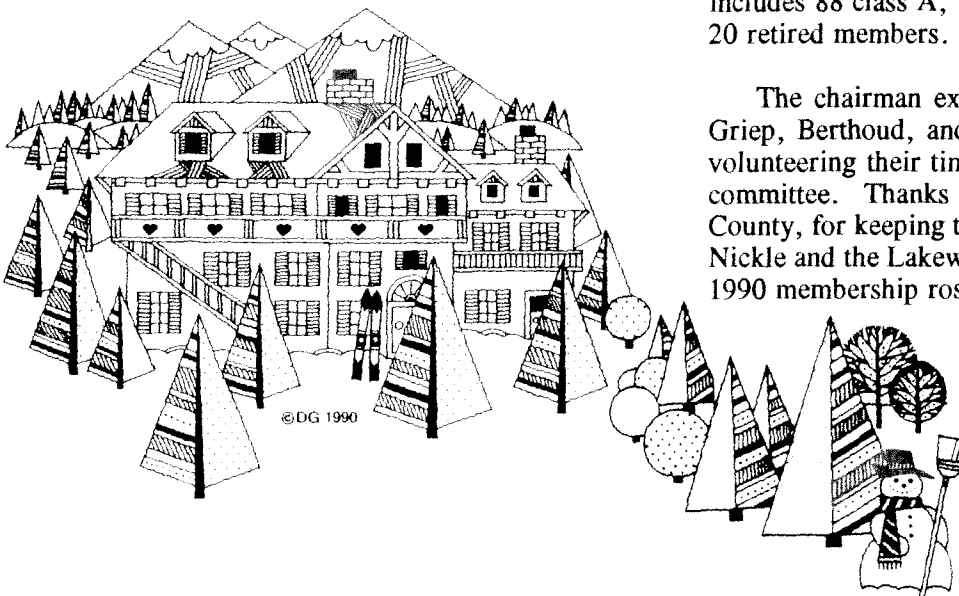
The Colorado Chapter's Code Development Committee is responsible for reviewing code changes submitted by the chapter; for necessity, accuracy, and consistency.

The committee has met five times in 1990 and considered nine proposals; including two submitted by the Fire Marshals Association of Colorado. The committee made several recommendations and suggestions resulting in two code changes being approved for submission to the Colorado Chapter's Code Change Committee. One was later withheld for further review.

The committee also worked to establish a code development relationship with the Fire Marshals Association of Colorado. This resulted in representatives of each committee attending the meetings of the other group and a better understanding of the concerns of each profession.

The Code Development Committee will hold at least one more meeting this year to act on pending items and submittals that have resulted from the ABM in Denver. Code change submittals are encouraged from any chapter member and other interested parties.

My personal thanks to the 1990 members of the Code Development Committee: Bill Barnes, Glendale; Ron Drey, Arvada; Bob Foote, Commerce City; Gary Pringey, Summit County; and alternates Bill Baldacini, Denver; Gary Goodell, Boulder County; and Rusty Price, Littleton.



CAN YOU HOST A COLORADO CHAPTER MEETING?

Requests are being taken now to host a Colorado Chapter meeting in 1991. Meetings will be scheduled for the following months: February - one day, April - two days, June - one day, August - two days, October - one day, and December - two days. If you or your jurisdiction would like to be a host please contact Steve Thomas at (303) 759-1513. The host is responsible for booking and coordinating the facility where the meeting is held. The program is arranged by the program committee. Show your support for the chapter by hosting a meeting in 1991.

SNOW LOAD DESIGN DATA

1990 Structural Survey of Colorado Building Departments and Snow Load Design Data for Colorado. This publication features a survey of over 125 building departments throughout Colorado regarding their structural criteria including; snow loads, wind loads, frost depths and related amendments. Order from the Structural Engineers Association of Colorado, c/o Henry R. Lopez, P.E., 1526 Spruce Street, Boulder, CO 80302-4261, (303) 447-2813. Cost: \$20.00 prepaid.

MEMBERSHIP COMMITTEE REPORT

Becky Baker, City of Englewood

The membership committee is pleased to report that the Colorado Chapter is 281 members strong. This total includes 88 class A, 130 class B, 43 professional, and 20 retired members.

The chairman expresses her appreciation to Stan Griep, Berthoud, and Noel Vargo, Winter Park, for volunteering their time and resources to work on this committee. Thanks also go to Larry Pirkl, Boulder County, for keeping track of our members, and to Dan Nickle and the Lakewood staff for putting together the 1990 membership roster.

COLORADO CHAPTER BOARD OF DIRECTORS AND COMMITTEE APPLICATIONS

Inserted in this newsletter is the application for Colorado Chapter Committees and Board of Directors. Please feel free to make additional copies for interested persons. The application should be mailed to Colorado Chapter, Inc. ICBO, P O Box 961, Arvada CO 80001. The deadline is as soon as possible, or December 1, 1990, whichever comes first.

BLUE RIBBON INC. RESPONDS TO WOOD SHAKE AND SHINGLE QUESTIONS

Sindy Hagen, Blue Ribbon Inc.

These are the facts regarding Hillcrest Cedar Products and misuse of Blue Ribbon labels:

1. Hillcrest Cedar Products were eliminated by Blue Ribbon in May 1990.
2. In July 1990, Blue Ribbon caught Hillcrest shipping with stolen Blue Ribbon labels.
3. To solve the problem; Blue Ribbon took the records of production from Hillcrest and started tracing shipments of products with stolen labels.
4. Blue Ribbon had caught up to almost all of this product as well as cancelling future orders and returning loads to the mill before the news media blew things out of proportion.
5. To take care of the consumers, Blue Ribbon started working with Hillcrest in this way; rather than Hillcrest declare bankruptcy.
6. If anyone has Hillcrest products it does not mean the stock is off grade only that the stock has not been graded.
7. According to the terms of sale and condition, no mill or grading agency is responsible for shakes and shingles after they have been applied, but; because Blue Ribbon is concerned about the consumers satisfaction we are checking complaints on the roofs at no charge. Hillcrest is taking responsibility for any mistakes.
8. Blue Ribbon does not like to go on other grading agencies roofs; but since other agencies are doing this Blue Ribbon has no alternative but to respond to the consumer requests.
9. As soon as Blue Ribbon has caught up to all the Hillcrest stock, Blue Ribbon will be charging for roofing inspections.
10. These are four of the grading agencies for wood shakes and shingles: Blue Ribbon, Blue Label,

Warnock Hersey, and Skagit Valley. All of these agencies must "grade" by the same ICBO Standards, 32-8 and 32-11. All of these agencies are having problems controlling quality.

For further information please feel free to call Jerry at (206) 288-2784, or Sindy at (604) 826-8596.

AWARDS COMMITTEE

Marvin Fischer, Grand County

The awards committee developed criteria for the Beryl Wallace Award, which will consist of a wall plaque and framed certificate. The Beryl Wallace Award will be presented, from time to time, to a member of the Colorado Chapter Inc., ICBO, whose continuing service and achievements have contributed significantly to the code development, education and dedication of the Colorado Chapter goals and whose work firmly established an intensive direction toward improvements of the chapter. The awards committee hopes to be ready to present the first Beryl Wallace Award at the chapter meeting December 6 & 7 in Lakewood.

The committee was unable to develop criteria for the Sis Wallace Award prior to the ICBO annual meeting in Denver this past September, this award is targeted at the national level.

The following persons participated on the Awards Committee in 1990: Ken Alley, Bo Bowers, Gerry George, and David Tyree, with Marvin Fischer serving as chairman.



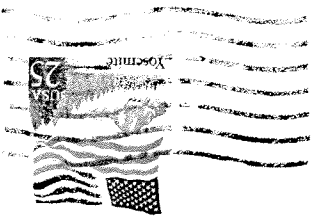
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CALENDAR

- December 6-7** CO Chapter ABM
Lakewood
- February 4-9** ICBO CDC Hearings,
Austin, TX
- February 25-
March 1** Educational Institute
Sheraton Denver
Tech Center

The views expressed in this newsletter are those of the authors and do not necessarily reflect the opinion or agreement of the Colorado Chapter Inc., ICBO.

