



UPDATE

The Newsletter of the
Council for Accreditation in Occupational Hearing Conservation

VOLUME 4 • ISSUE 1 • FEBRUARY 1993

CAOHC kicks off long-range plan

As most of you know by now, in 1992 the CAOHC Executive Offices moved from Springfield, New Jersey to Milwaukee, Wisconsin. It has been a year of transition for CAOHC, and the Council and the Executive Staff appreciate your patience during this year of reorganization.

It has been a productive year. In October 1992 the Council met in Denver, Colorado for its biannual Council Meeting where they approved a long-range plan that will affect many of you in positive ways.

New Logo

First, the Council approved a new CAOHC logo (See above). In the last edition of the CAOHC *Update* (Volume 3, Issue 2, July 1992), we solicited logo ideas from our readers. We received several responses and would like to thank the following people who helped to inspire the new design: Susan A. Glass, RN, Norwalk, CT; Jessica Proffitt

Treece, Knoxville, TN; Robin Prins, RN, COHN, Reading, PA; Florence H. Sandoval, Winter Haven, FL; Hetty B. Soodt, RN, Oak Forest, IL; Marianne Topell, MS, CCC-A, Biloxi, MS. In appreciation of their contributions, CAOHC sent manuals to each of these people.

New Brochure

Second, CAOHC has produced a new brochure entitled "Ten reasons you should be CAOHC certified." The brochure will be used to encourage Occupational Hearing Conservationists to become CAOHC certified. It will be mailed in quantities to Course Directors to distribute at their courses and to individual OHCs who haven't certified. The brochure also will be mailed to CAOHC Component Professional Organizations to answer inquiries or to include with their newsletter mailings.

The brochure educates the reader on
(continued on page 3, "Year of Transition")

New CAOHC Manual to be published in April

The *Council For Accreditation in Occupational Hearing Conservation Manual, 3rd Edition*, will be published in early April. The manual has been completely rewritten and updated with expanded information on the OHC's mission, training, and role; and there's a separate chapter on federal and state regulations.

This revised version also has more detailed chapters on audiometric equipment and procedures for audiometric testing, plus the sections on sound and noise measurement are more "reader friendly."

All of the information on instruments, procedures, and regulations is current, including the appendices that contain new checklists and samples of forms used by experienced hearing conservationists.

To order the new manual, send a \$50 check to the Executive Office: 611 East Wells Street, Milwaukee, WI 53202. Remember, CAOHC offers a 25 percent discount if you order more than 20 manuals.

ANSI S12 Approves CAOHC Membership

The Accredited Standards Committee S12, Noise, has approved the organizational membership of CAOHC in S12. This membership entitles CAOHC to cast a vote on new standards being approved.

William H. Monk, who represents the Military Audiology Association on CAOHC's Council, has been appointed as the voting member.

The S12 committee meets twice a year, usually with the Acoustical Society of America. The next S12 meeting will be held in Ottawa, Canada on Thursday, May 20th.



CAOHC Council met in Denver, Colorado in October 1992. (Left to right: Dick Kowalski, Ted Hatfield, Gene Hatfield, Rena Glaser (Chair), Jill Niland, Eva Barnard, and Paul Ostergaard (Immediate Past Chair).

Chairperson's Message

by Rena Glaser, MA, CCC-A

CAOHC has been concerned about quality hearing conservation services and programs since its inception. As you will note in another article in this issue (See page 6, "OHC Courses Must Follow CAOHC Guidelines"), several quality issues have been brought to the attention of the CAOHC Council over the past few months. The Council hopes that expanding upon and restating

guidelines for occupational hearing conservationists' workshops will help to improve and ensure the quality of these workshops, which, in turn, will help to ensure quality hearing conservation services.

One product that will also be extremely beneficial in the area of quality is the new version of the CAOHC Manual, which will be available the first week of April. We

were extremely lucky to have the services of Dr. Alice Suter to develop the 3rd edition of this text. (See page 3 to read more about Alice Suter.)

I have been privileged to see the draft of this manual and can assure you that Course Directors, Occupational Hearing Conservationists, and all hearing conservation professionals will benefit from this book.



UPDATE

Published by the Council for Accreditation in Occupational Hearing Conservation, a non-for-profit organization dedicated to the establishment and maintenance of training standards for those who safeguard hearing in the workplace.

The *Update* is published three times a year in February, July, and November. Articles should be submitted, with a black and white photograph of the author, by the first day of December, May, and September. The *Update* is available to individuals not certified by CAOHC at an annual subscription of \$15. Payment must accompany request.

611 E. Wells Street
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•**Chairperson** -
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Lt. Col. John Elmore, MA, MBA
Sarah E. Kaluzny

•**Executive Director** -
Sandra M. Koehler

•**Executive Assistant**
Maria Connor

Opinions expressed in the *Update* are those of the authors, and do not necessarily reflect official CAOHC policy.

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Americans with Disabilities Act In Effect

Title III of the Americans with Disabilities Act took effect on January 26, 1992, prohibiting discrimination and requiring organizations to take affirmative steps to provide equal access for those with disabilities.

The provisions of this act have a direct effect on those who operate places of public accommodation, but Course Directors must also adhere to the act when they lease space for a meeting or an educational workshop.

According to an article written by Jane E. Jarrow for *ASAE* (September 1992), there are four main steps to take at your courses to ensure access for people with disabilities:

1) Plan ahead; 2) Ask the right questions; 3) Prepare and deliver; and 4) Evaluate your efforts.

Plan ahead by using an accessible facility and by including a question on your registration form requesting information on disability-related needs.

Jarrow strongly recommends conducting an adequate site inspection of meeting space, sleeping rooms, and public areas to make certain there are no potential problems with architectural access. Jarrow also suggests that your registration material provide an opportunity for potential attendees to inform you of their needs. When you do receive a request for accommodation,

contact the individual to determine their exact needs.

Prepare and deliver by providing mobility, notetaking, and scribe assistance. This can often be done through the use of volunteers.

Jarrow suggests using large-print material with the enlargement feature on any copy machine. And materials can be tape-recorded in advance of the course. Sign-language interpreters may be costly, but necessary. Renting adaptive listening systems shouldn't cost much more than renting other audiovisual equipment.

Jo Williams, the Director of ADA Programs at ASHA, also recommends being aware of modifications for testing procedures. Some participants may need special attention during testing, whether it is extra time or an oral exam instead of a written one. Williams says that exams should test the OHCs knowledge and skills—not their disability. It may be necessary to waive the test and measure the OHCs skill in some other capacity.

Jarrow says to evaluate the success and efficiency of your efforts after each course by contacting individuals to make certain their needs were met. Jarrow guarantees that you will learn from both your successes and failures.

Reprinted with permission by Jane E. Jarrow

CAOHC Statistics for 1992

New OHCs:	1,299	New CDs certified in 1992:	25
Recertified OHCs:	478	CAOHC-approved courses:	478
Total CDs:	436	Manuals sold:	1,068

Year of transition at CAOHC

(Continued from page 1)

exactly what CAOHC certification offers, including up-to-the-minute information on OSHA regulations and awareness and prevention of noise-induced hearing loss.

Finally, for more information the brochure lists CAOHC's address, phone, and FAX.

If you'd like to order a quantity of the new brochure (free of charge), please contact Maria Connor at CAOHC: (414) 276-5338.

Course Director Packet

The CAOHC Council also approved the development of a new Course Director packet. Effective February 1993, when a Course Director sends a course approval form and it is approved by the Executive Committee, CDs will receive a new packet of information—in addition to the information they are currently receiving. The new CD packet contains:

- 1) A preparation and follow-up checklist for the course.
- 2) OHC applications to be distributed to students.
- 3) CAOHC brochures on certification/recertification.
- 4) New brochures: "Ten reasons to become CAOHC certified."
- 5) A certificate verifying CAOHC approval of the course; to be hung on site at the course.
- 6) A copy of the original course approval form; for Course Director records, and to verify CD recertification through the teaching-experience method.
- 7) A supply of course approval forms; for future use.
- 8) An explanation of the difference between course completion and certification; to be distributed to OHC students.
- 9) A list of resources for additional information.
- 10) A Standardized Student List

Submission Sheet for Course Directors to submit to CAOHC, listing the OHC students who attended and passed their course; to be returned to CAOHC within 30 days of the course.

The packet is designed to alleviate current confusion over CAOHC certification. Many OHCs leave the training courses with the misconception that course participation alone warrants CAOHC certification. Some students don't realize that CAOHC certification requires the extra step of completing the application form and survey provided and forwarding the \$50 certification fee to CAOHC headquarters.

The above packet will help clarify—for the Course Director and the OHC—CAOHC procedures for conducting and completing a CAOHC-approved course. For more information about the packet, contact Maria Connor at the Executive Office at (414) 276-5338.

Alice Suter, Ph.D completes 3rd edition of CAOHC Manual



Alice Suter, Ph.D.

Author of revised CAOHC manual

Alice H. Suter, Ph.D. has completed the *Council for Accreditation in Occupational Hearing Conservation Manual, 3rd edition*. Copies will be available through the CAOHC Executive Office by April 1, 1993.

Dr. Suter has worked in the area of noise and hearing conservation for more than 20 years. She has an undergraduate degree in liberal arts, an M.S. in education of the deaf, and a Ph.D. in audiology. She has been extremely influential in noise criteria development, regulation, and public policy, first at the Environmental Protection Agency's

Office of Noise Abatement, and later at OSHA.

As Senior Scientist and Manager of the Noise Standard at OSHA, she was principal author of the Hearing Conservation Amendment. She has also held positions of Visiting Scientist and Research Audiologist at the National Institute for Occupational Safety and Health.

Suter is now a consultant in industrial audiology and community noise. Among her clients have been the World Health Organization, the Administrative Conference of the U.S., and various private companies, individuals, citizens groups, and government agencies on the federal, state, and local level. She recently completed a comprehensive report for the Administrative conference entitled, "Noise and its Effects."

Dr. Suter's professional activities include membership in the American Speech-Language-Hearing Association since 1963, where she has served on the Committee on Noise as a Public Health Hazard and the Committee on Hearing Conservation and Industrial Audiology. She also serves on committees in the

National Hearing Conservation Association and the American Institute of Physics, and she is an advisor to the National Academy of Science/National Research Council's Committee on Hearing, Bioacoustics, and Biomechanics.

Suter is a fellow of the Acoustical Society of America, where she chairs the Society's Committee on Public Relations and edits their newsletter, *Echoes*.

To order your manual, please send \$50 to CAOHC at 611 E. Wells Street, Milwaukee, WI 53202.

Course Directors: FAX Your Student Lists

Course Directors: The Executive Office will accept your course attendance lists by FAX: (414) 276-3349.

Please send the lists immediately after completing a course. We have many applications pending because the Course Director listings haven't been forwarded.

Three New Council Members Appointed to CAOHC

CAOHC welcomes the three newest members to the CAOHC Council.

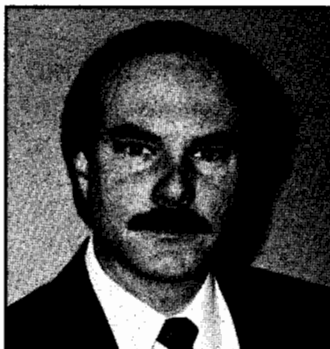
Nancy Craft, RN, COHN, is the new representative for the American Association of Occupational Health Nurses, replacing Richard Kowalski. Since 1979, Craft has been an Occupational Health Officer and Occupational Health Nurse Consultant with the Navy Environmental Health Center in Norfolk, Virginia.

In 1991 she became the Director for Nursing, providing program guidance and evaluation, health hazard appraisal, training, and technical consultation and assistance to medical department personnel.

In 1985 Ms. Craft became board certified by the American Board of Occupational Health Nurses, Inc.; she is currently a Course Director for pulmonary function techniques, approved by the National Institute of Occupational Safety & Health; and she has been a CAOHC Course Director since 1981.



Nancy Craft, RN, COHN
American Association of Occupational Health Nurses



Dennis Driscoll, MS, PE
American Industrial Hygiene Assoc.

Dennis P. Driscoll, MS, PE, is the new representative of the American Industrial Hygiene Association (AIHA), replacing Paul B. Ostergaard. Mr. Driscoll has been a member of AIHA since 1981.

He is currently the President and Principal Consultant of Associates in Acoustics, Inc. where he directs the business administration of the company and conducts engineering noise control surveys, data analysis, research, and design of recommendations for noise control.

In addition, Mr. Driscoll conducts environmental and community noise surveys, as well as employee noise exposure assessments for both hearing conservation and regulatory compliance.

He is currently a member of the Institute of Noise Control Engineers, the Acoustical Society of America, the National Hearing Conservation Association (NHCA), and the AIHA Noise Committee.

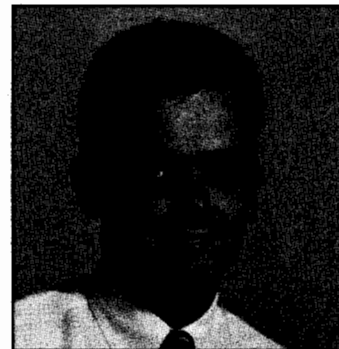
Mr. Driscoll is an Editorial Board member of the *American Industrial*

Hygiene Association Journal and has also published numerous articles on hearing conservation.

William H. Monk, MA, CCC-A, will represent the Military Audiology Association, replacing Lt. Col. John Elmore. Mr. Monk was certified as a CAOHC Course Director in 1984 and is currently the Module Manager of the Army's Hearing Evaluation Automated Registry System (HEARS).

The HEARS is a tool fielded at over 200 sites world-wide to support the Army's Hearing Conservation Program by automating data collection and hearing tests and providing management indicators at the installation and Army-side levels.

Mr. Monk is trained as a facilitator for Total Quality Management at the Army Environmental Hygiene Agency. His committee work includes the Ethics and Standards Committee of the National Hearing Conservation Association. He is currently the Immediate Past President of the Military Audiology Association.



William H. Monk, MA, CCC-A
Military Audiology Association

Course Director Workshop set for April 19th in Atlanta

The next Course Director Certification/Recertification Workshop is scheduled for Monday, April 19th at the Airport Hyatt Regency in Atlanta, Georgia.

Registration for the workshop is \$225 and includes a CAOHC manual. The cost for recertification is an additional \$25. You should attend this workshop if you are a Course Director that certified or recertified in 1988 or later.

A brochure on the workshop will be mailed in late February. This is an ASHA-approved program offered for .8 CEUs of continuing education credit.

If you plan on attending the workshop for initial certification you should pay an initial certification fee, complete an application, and be approved by the CAOHC Screening Committee prior to the workshop.

If you need a Course Director application, call Maria Connor at 414/276-5338. Or write the Executive Office at 611 E. Wells, Milwaukee, WI 53202.

Reminder cards

As a service, CAOHC sends cards to OHCs reminding them of their certification expiration date. Cards are sent six months and three months prior to the expiration. Reminder cards are also sent to Course Directors twice a year.

These cards are a service. The responsibility to recertify, however, is up to the OHC. It is the OHC's responsibility to keep track of their expiration date and to make certain their address is current with the Executive Office.

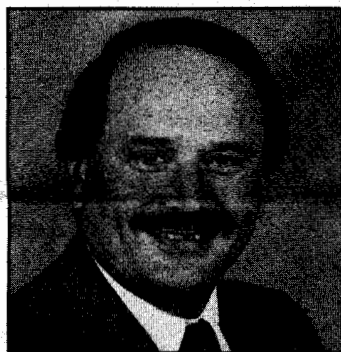
Council Members complete CAOHC terms

CAOHC would like to thank retiring Council members Richard Kowalski, RN, MSA, COHN, and Theodore Hatfield, MD for their dedicated service to the CAOHC Council. Paul Ostergaard and Lt. Col. John Elmore also officially completed their terms in 1992. Lt. Col Elmore assisted in the transition process as the newsletter editorship changed hands this year. Ostergaard will continue serving as an ex officio observer. Watch for more information in the next *Update*.

Kowalski represented the American Association of Occupational Health Nurses and has been active in the field of hearing conservation for several years. He received a degree in Nursing from the Delta College School of Nursing, a Bachelor of Arts in Psychology from Saginaw Valley State College, and a Master of Science from Central Michigan University. Kowalski has served on CAOHC's Council since 1987 and currently supervises General Motor's only on-site exercise rehabilitation program.

Hatfield represented the American College of Occupational and Environmental Medicine and was appointed to his first term on the CAOHC Council in 1979.

In 1965 Hatfield received a Master's Degree in Occupational Health from the Ohio State University Hospital and Graduate School. He became certified by the American Board of Preventive Medicine in Occupational Medicine in 1966.



Richard Kowalski, RN, MSA, COHN



Theodore Hatfield, MD

Letters to the Editor

Dear Editor:

My certification expired in June 1992 but I couldn't locate a CAOHC-approved course in my area until September 1992. Does CAOHC offer a certification grace period?

Response:

In March 1992 the Executive Committee extended a 6-month grace period. This lapse period, however, is not given freely. An OHC becomes eligible for that lapse period only in extenuating circumstances, such as a medical emergency, a family illness, or difficulty in locating a course in a specific geographical area.

The grace period is extended on a case-by-case basis, so if you have questions about your expiration date, please contact the Executive Office.

Dear Editor:

I attended a CAOHC-approved hearing conservation course in 1987 and was given a certificate upon completion of the course. In 1992 I took a refresher course and sent my application to CAOHC for recertification. I was told that since I never certified, I was ineligible to recertify.

I was under the impression that since I took the CAOHC-approved course in 1987, I was certified. Please explain the problem.

Response:

This is a very common misconception. Completion of a CAOHC-approved course alone does not warrant certification. You must take another step *after* the course: complete the survey and application provided by the Course Director; send both to CAOHC with the \$50 fee. This step is required to become

CAOHC certified. You cannot recertify without having been certified first.

If the certification course and the recertification course were taken within five years of each other, you may certify and recertify simultaneously. To do this, send proof of course attendance (from *both* courses), your course survey and application form, and a \$60 fee.

And to alleviate problems, call the Executive Office before registering for a refresher course to get your CAOHC certification number.

If the office cannot provide you with a CAOHC certification number, this is proof positive that you never certified with CAOHC.

Dear Editor:

I am a CAOHC Course Director and the day before one of my CAOHC-approved courses, a required faculty member became ill. How do I handle this—does the course have to be canceled?

Response:

Your course was approved contingent on the fact that you follow all of the CAOHC guidelines set forth in the course-approval form.

The Executive Committee does realize that changes can occur in course structure—especially since many courses are approved months in advance.

Any changes, however minimal, must be approved by the Executive Office. When you forward your student listing after the course, please submit a new course outline noting any changes in course structure.

Dear Editor:

Please list available CAOHC videos.

Response:

Caution: Hearing at Work (12 minutes) by Industrial Hearing Services, 1983.

How to Use Expandable Foam Earplugs (6 minutes) by Cabot Safety, 1983.

The Impact of Noise (14 minutes) by IMPACT Hearing Conservation, Inc., 1984

It's Up to You (12 minutes) by Cabot Safety, 1976

Listen Up with Norm Crosby (17 minutes) by Cabot Safety, 1983.

The National Hearing Quiz (26 minutes) by Cabot Safety, 1983.

S.O.S. (14 minutes) by Bilsom, 1980.

The Sound of Sound (17 minutes) by AO/ Cabot Safety, 1970.

Sound Thinking (17 minutes) by TWA, 1984.

The Best Time for Conducting Annual Hearing Tests in the Occupational Setting

Contributing editors:

Susan Megerson, MA, CCC-A

Barbara Panhorst, EdD, RN, COHN

Due to the results of many years of research and regulatory activity, we now know much more about the potential harm that excessive noise can cause to our hearing and our well-being. For this reason, most employers have implemented formal programs designed to protect noise-exposed workers.

An effective Hearing Conservation Program (HCP) includes many components, such as: noise measurement and control, personal hearing protection devices, employee training and education programs, recordkeeping, and audiometric testing and follow-up.

Each portion of the program serves a special purpose in the success of the HCP. The main purpose of the audiometric testing segment is to *monitor* the effectiveness of the overall program. Changes in hearing levels may indicate that noise control, hearing protection, or education portions of the HCP need improvement.

Typical hazardous noise exposure first results in temporary threshold shift (TTS). Months or years of exposure can result in permanent threshold shift (PTS). A hearing conservation program, designed to prevent hearing loss, should logically identify TTS. Therefore, when is the best time to give annual mon-

itoring in the industrial and military setting?

According to Susan Megerson, who represents the American Speech-Language-Hearing Association on the CAOHC Council, the employee's annual audiogram should be conducted after workplace noise exposure, typically during or after the workday—under everyday hearing protection conditions.

Megerson cites OSHA as a reference for this recommendation: "employers are encouraged to conduct annual audiometric tests during the workshift since the early identification of TTS can result in the prevention of permanent hearing loss" (Federal Register, Vol. 46, No. 11, page 4144, January 16, 1981).

Also, the new ANSI Draft Standard S12.13 for Evaluating Hearing Conservation Program Effectiveness utilizes only hearing tests conducted "during the normal course of the workshift." The ANSI Draft also states that "Employees should wear their customary hearing protection devices in their usual manner" (American National Standards Institute, Draft ANSI S12.13-1991, ASA NO.97-1991, p. 5).

According to Megerson, conducting annual audiograms *before* the workshift, or altering normal hearing protection use on the test day, may result in misleading hearing test data. Ironically, the end result may be a higher incidence of compensable hearing loss, since the effects of occupational noise will not be

detected until employees have sustained permanent hearing loss.

Barbara Panhorst, current CAOHC Vice Chairperson and representative of the American Association of Occupational Health Nurses, says that testing during the workshift is the ideal. According to Panhorst, occupational hearing conservation is one of many concerns industry has. Time and money are always at a premium, and taking an employee away from the job for various tests can cost both.

Some employees who work on a production line or on incentive basis for monetary bonuses may not want to leave their jobs. Fifteen to 20 minutes away from an assembly line can impact on the worker and co-workers as well.

For this reason, associates may wish to have their hearing tested before or after the workshift.

According to Panhorst, industries will have to decide whether annual audiometric testing will be performed before-shift, during-shift, or after-shift.

For more information on this topic, readers may wish to refer to "Critical Issues in Industrial Hearing Conservation" by Jeffrey C. Morrill; *Industrial Hygiene News*, March 1984; and "Misconceptions in Hearing Conservation" by Larry Royster and Elliott Berger, *Sound & Vibration*, Dec. 1988.

OHC Courses Must Follow CAOHC Guidelines

In the past few months, CAOHC has heard numerous disconcerting comments about the 20-hour Occupational Hearing Conservationist workshops. Students at one refresher course indicated no audiometric equipment was available for a practicum.

In another instance, the Course Director was not present during the workshop, even though he or she was designated as the Course Director on the course approval form.

The CAOHC Council realizes extenuating circumstances will occur.

When these circumstances do arise, it is imperative that the Course Director contact the CAOHC office to make alternative arrangements to ensure approval.

The CAOHC Council has set high standards for its courses, realizing the importance of training competent OHCs for industry and the military. When the Course Directors alter the courses substantially, the OHCs suffer.

In the past, the Council has relied upon the professionalism of the Course Director to ensure that high standards are met. The Council has avoided extending

any type of disciplinary action to the Course Director.

At this time, however, the Council is expanding the statement that the Director currently signs at the time the OHC course application is submitted. This statement will indicate that the information on the application is correct and that neither the course content nor the listed instructors will be changed without notifying the CAOHC office.

CAOHC will keep you informed of any changes. The next edition of the *Update* will inform you of the status of the new guidelines.

Upcoming OHC Refresher Courses

Approved January 6, 1992

Date	City	Course Director	Phone Number	Date	City	Course Director	Phone Number
March				April (continued)			
3/2	Baltimore, MD	Vic Gladstone	(410) 467-1040	4/20	Atlanta, GA	Charles A. Russell	(404) 294-4672
3/2	Greeley, CO	Deanna Meinke	(303) 351-0818	4/23	Boston, MA	Nancy Peterson	(617) 267-4730
3/5	Washington, DC	Lloyd S. Bowling	(202) 994-7166	May			
3/10	Detroit, MI	Thomas Simpson	(313) 577-6754	5/6	Atlanta, GA	William K. Wolfe	(404) 518-0496
3/11	Houston, TX	Gayla Sullivan	(713) 497-3207	5/7	Dallas, TX	Dean A. Harris	(303) 586-0702
3/11	Lexington, KY	William Green	(606) 233-5840	5/11	Hattiesburg, MS	Robert C. Rhodes	(601) 266-5216
3/12	South Hills, PA	Roger Angelelli	(412) 466-5550	5/13	Portland, OR	Michael Fairchild	(903) 232-1646
3/15	Toledo, OH	Herbert Greenberg	(419) 885-3848	5/13	Houston, TX	Gayla Sullivan	(713) 497-3207
3/16	Greensboro, NC	George Cook	(919) 665-1818	5/14	Long Beach, CA	Michael J. Metz	(714) 638-8122
3/16	Hattiesburg, MS	Robert C. Rhodes	(601) 266-5216	5/17	Toledo, OH	Herbert Greenberg	(419) 885-3848
3/17	Wellesley, MA	Pamela Gordon	(617) 891-9124	5/18	Greensboro, NC	George Cook	(919) 665-1818
3/18	Maple Shade, NJ	Richard Stepkin	(609) 228-3353	5/25	Brooks AFB, TX	Jay W. Lehman	(512) 536-2844
3/23	Bala Cynwyd, PA	Joseph P. Chiarello	(215) 667-1711	5/27	Salt Lake City, UT	Richard W. Harris	(801) 378-6460
3/25	Sunnyvale, CA	Pamela L. Ball	(408) 985-8665	5/19	Detroit, MI	Thomas Simpson	(313) 577-6754
3/25	Cleveland, OH	William K. Wolfe	(404) 518-0496	June			
3/26	Dallas, TX	Dean A. Harris	(303) 586-0702	6/3	Maple Shade, NJ	Richard Stepkin	(609) 228-3353
3/26	Piscataway, NJ	Ellen Kelly	(908) 238-1664	6/14	Toledo, OH	Herbert Greenberg	(419) 885-3848
April				6/16	Waterville, ME	Bruce D. Olsen	(207) 872-4383
4/2	Portland, OR	Michael Fairchild	(903) 232-1646	6/17	Cleveland, OH	William K. Wolfe	(404) 518-0496
4/8	Brookfield, WI	Meredy Hase	(414) 547-2227	6/18	Pittsburgh, PA	Gary Schurman	(412) 784-4025
4/12	Toledo, OH	Herbert Greenberg	(419) 885-3848	6/21	Brooks AFB, TX	Jay W. Lehman	(512) 536-2844
4/13	Shelton, CT	Phyllis L. Sochrin	(203) 735-4327	6/22	Greensboro, NC	George Cook	(919) 665-1818
4/13	Chapel Hill, NC	Andrew P. Stewar	(919) 967-2228	6/24	Portland, OR	Michael Fairchild	(903) 232-1646
4/16	Montgomery, AL	Dr. Curtis Smith	(205) 887-6302	6/25	Denver, CO	Dean A. Harris	(303) 586-0702
4/16	Boulder, CO	Richard F. Krug	(303) 494-0766				

Request for Information on Hearing Conservation

CAOHC recently received a request from Robert D. Bruce of Collaboration in Science and Technology, Inc. of Houston, regarding the availability and use of hearing protection in the 1940s, 1950s, and 1960s. He would like to discuss experiences with individuals who were active in the hearing conservation field during that period.

If you have information on hearing protection devices available during the time period indicated, or if you have any anecdotal stories about hearing protection, please write Mr. Bruce at:

Collaboration in Science and Technology Inc.
15835 Park Ten Place, Suite 105,
Houston, TX 77084-5131.

Or call Mr. Bruce or Charles Moritz at (713) 492-2784.

Correction: Draft ANSI S12.13-1991

The Draft Standard from the Acoustical Society of America, DRAFT ANSI S12.13-1991, Evaluating the Effectiveness of Hearing Conservation Programs, costs \$44.00—NOT \$30.00 as printed in the UPDATE, Volume 3 issue 2 - July 1992.

Congratulations to newly Certified and Recertified Course Directors

The following Course Directors completed Certification and Recertification training at the Course Director Workshop in October in Denver, Colorado.

Robert H. Brey, Rochester, MN
Joseph Chiarello, Pennsauken, NJ
George R. Cook, Greensboro, NC
Debra A. Cottone, Edwardsville, IL
Nancy Craft, Virginia Beach, VA
Thomas G. Dolan, Portland, OR
Clark E. Gailey, Spring Valley, CA
Sharon Klavans, New Holland, PA
Thomas McCarty, Anchorage, AK
Sharon Richardson, Moscow, ID
Ronald L. Schow, Pocatello, ID
Adam J. Sortini, Merced, CA
Kay Brown Young, Shelby, NC
Kent L. Webb, Red Oak, IA

Recertification Fees

Effective January 1993 the fee for CAOHC recertification is \$20, instead of \$15. CAOHC recertification is good for five years—from the date of the refresher course.

Council Members & Their Represented Organizations

Chair

American Speech-Language-Hearing Association

Rena Glaser, MA, CCC-A (1995)
3M Medical Department
3M Center Building 220-3W-05
St. Paul, MN 55144-1000
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