

North Texas Section American Industrial Hygiene Association

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President Elect - Don Hudnall (Ph: 817.280.2832 - dhudnall@bellhelicopter.textron.com)
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Secretary - Gerry Walsh (Ph: 817.280.2237 Fax: 817.278.2237 - gwalsh@bellhelicopter.textron.com)
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Past President - David Wilson (Ph: 972.818.4040 - dwilson@claytongrp.com)

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-----NTS-AIHA Committees-----

Programs: Chair- Don Hudnall
Community: Chair-Stevan Pierce
Science Fairs-Bill Vining
Newsletter-Barbara Wilds
Website-Kay Hawkins
Membership: Chair-Mike Collins

-----Newsletter Sponsors-----

IAQ Consultants-
<http://www.iaqconsultants.com/>

-----Section Summary-----

North Texas Section - AIHA
P.O. Box 610925
Dallas, Texas 75261

Founded 1952
85 Year 2004 Members
69 Year 2005 Members

Check out our Web Page at:
<http://www.aiha.org/localsections/html/NTS>

President-Elect Message

by Don Hudnall



AIHCe May 21-26

It's time again for the American Industrial Hygiene

Conference & Expo. For all those attending...learn a lot, check out the latest equipment & services, and of course...Have Fun.

Also if you get the chance, take some notes and let the rest of the NTS-AIHA membership in on what you have learned. Consider writing an article in the newsletter or being the speaker at one of our meetings. A 30-50 minute presentation on what happened at the AIHCe would be wonderful for those of us who can't

attend. Just let any of the NTS-AIHA officers know you wish to volunteer this information. If there are several people who wish to present their information then we could have a "Best Of The AIHCe" meeting where you present your information.

I would think about doing this myself but I will not be attending the AIHCe this year. If you are a bit shy about presenting your information, then I would be happy to help you present, do it for you or even just make copies of your notes to distribute at a local section meeting.

The same thing goes for any Professional Development Courses (PDCs) you may attend throughout the year. Please consider sharing your newly gained knowledge with the NTS-AIHA membership. The more involved you are with the NTS-AIHA the more you get out of it.
Thanks. ☺

Runs through 6/2005

On Site Final Clearance

- IAQ Consultants, Inc. now certified by PAACB and TDSHS to conduct fungal spore analysis. We will bring our lab to your abatement project.
- **Certified Analysis**
- **Immediate Results**
- **817-481-6280**



IAQ Consultants
190 W. NORTHWEST PEWY, SUITE C
SOUTHLAKE, TX 76092
(817) 481-6280
FAX (817) 481-2077

Newly Elected NTS-AIHA Officers

Following are the results of the NTS-AIHA Officer elections for 2005:

- ❖ **President Elect:**
Michael Larranaga
- ❖ **Treasurer:**
Erika Erickson
- ❖ **Director:**
Mark Hickey



Thanks to each of you for your willingness to participate in the efforts to keep our local section viable. As it turns out, Mark is being relocated out of the area and will not be able to fulfill the role of Director. A ballot for a replacement can be found below.

Elected officers will be installed at our annual meeting following the AIHCE. Watch for the meeting announcement in the next newsletter.

⊗

NTP Releases 11th Report on Carcinogens

On January 31, 2005, the Department of Health and Human Services released the 11th Report on Carcinogen, adding 17 substances to the growing list of cancer-causing agents and bringing the total to 246. For the first time ever, viruses are listed in the report: hepatitis B virus, hepatitis C virus, and some human papillomaviruses that cause common sexually transmitted diseases. Other new listings include lead and lead compounds, X-rays, compounds found in grilled meats, and a host of substances used in textile dyes, paints and inks.

The 11th RoC lists cancer-causing agents in two categories -- "known to be human carcinogens" and "reasonably anticipated to be human carcinogens." The report now contains 58 "known" and 188 "reasonably anticipated" listings.

New Listings to the 11th RoC

Substances added to the "known" category:

- Hepatitis B virus and hepatitis C virus
- Human papillomaviruses
- X-radiation and gamma-radiation
- Neutrons

Substances added to the "reasonably anticipated" category:

- 1-Amino-2,4-dibromoanthraquinone
- Cobalt sulfate
- Diazoaminobenzene
- MeIQ, MeIQx, and PhIP
- Lead and lead compounds
- Naphthalene
- Nitrobenzene
- Nitromethane
- 4,4'-Thiodianiline

The full report is available on the NTP website at <http://ntp.niehs.nih.gov> (Select "Report on Carcinogens"). ⊗

Please Vote for NTS-AIHA Director Position

Our newly elected Director, Mark Hickey, is being relocated out of the area and will not be able to serve in this role. Bill Bird has graciously volunteered to run for this position. Bill received a BS in Biology from the University of Texas in Arlington. He is an occupational safety and health consultant for Federal Occupational Health in Dallas. Bill has over eleven years of comprehensive industrial hygiene experience and has provided these services to federal agencies, the semi-conductor industry, oil refineries, schools, railways, and single and multi-family housing.

The Director position is a three-year term. The individual serving in this position must be an NTS-AIHA member.

Director: Bill Bird
Write In: _____

(Place a ✓ in the box beside Bill's name or write in another's name)



Email your vote to Gerry Walsh, Secretary at mailto:gwalsh@bellhelicopter.textron.com or call him at 817-280-2237 by May 15. You can also complete the ballot form provided above and mail to NTS-AIHA, P.O. Box 610925, Dallas, Texas 75261.

Treasurer's Report

01/01/2005 Through 4/23/2005

| INFLOWS | | \$ |
|---------------------------------|------------|-----------|
| Dues | 925.00 | |
| Teleweb Seminars (3) | 340.00 | |
| TOTAL INFLOWS | 1,265.00 | |
| OUTFLOWS | | \$ |
| Science Fair | 452.90 | |
| Awards/Banquet | | |
| Mail Service/Postage | 206.66 | |
| TeleWeb Seminars (3) | 755.00 | |
| OSHA/MSHA Update 2004 w/ASSE | 1,024.00 | |
| TOTAL OUTFLOWS | 2,438.56 | |
| OVERALL TOTALS | | \$ |
| Annual Total | (1,173.56) | |
| Checkbook Balance | 6,172.92 | |
| Certificate of Deposit | 5,132.00 | |
| OVERALL TOTAL | 11,304.92 | |

Nanotechnology – What is it and What are the Hazards?

Source: NIOSH

What is Nanotechnology?

Nanotechnology is the manipulation of matter on a near-atomic size scale to produce new structures, materials, and devices. A nanometer is a unit of length roughly equivalent to ten atoms placed side by side. Materials exhibit unique properties at the nanoscale level, which affect their physical, chemical and biological behavior.

How is it Used?

The use of nanotechnology is being researched and developed in many areas, including:

- Developing new optical, electronic, and optoelectronic devices
- Improving energy storage and efficiency
- Creating highly effective mechanical and bio-electronic interfaces

- Advancing new methods of medical imaging, treatment, and therapeutics

Scientists predict nanotechnology has the ability to revolutionize many industries. For example, nanotechnology is expected to enable the production of smaller, cheaper and more accurate sensors. The sensors could detect environmental pollutants, indicate exposure to toxic substances in the workplace, help business track inventories, check food safety, and assess structural damage in buildings.

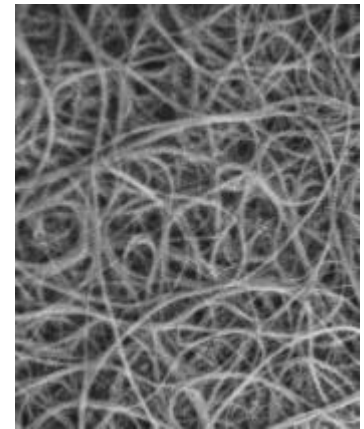
Although many nanotechnologies are still in the pre-competitive stage, nanoscale materials are increasingly being used in optoelectronic, electronic, magnetic, medical imaging, drug delivery, cosmetic, catalytic and materials applications. Between 1997 and 2003, world-wide government investment in the field rose from \$432 million a year to just under \$3 billion a year, and the global impact of nanotechnology-related products is predicted to exceed \$1 trillion by 2015. In the US, an estimated 2 million workers are currently exposed to nanometer-diameter particles on a regular basis (based on year 2000 national industry-specific occupational employment estimates by the US Department of Labor). It has been estimated that an additional 2 million workers will be required globally within nanotechnology-related industries in order to meet predicted demand for products over the next decade.

Is There a Risk in the Workplace?

Nanomaterials present new challenges to understanding, predicting and managing potential health risks. They may interact with the human body in different ways than more conventional materials, due to their extremely small size. For example, studies have established that the comparatively large surface area of inhaled nanoparticles can increase their toxicity. Such small

particles can penetrate deep into the lungs and may move to other parts of the body, including the liver and brain.

Carbon nanotubes are being studied extensively because they have potential applications for a wide variety of industries. NIOSH has issued a statement saying that workers who inhale nanoscale sizes of graphite at the permissible exposure limit for that mineral are likely to experience lung lesions.



SEM Image of Carbon Nanotubes
Helix Material Solutions

There are still many knowledge gaps to be filled before we fully understand how to work safely with these materials. Until these and other research questions are answered, it is prudent to proceed with caution when working with nanomaterials. ☒

OSHA / MSHA Update

September 27, 2005

Ruthe Jackson Center
3113 South Carrier Pkwy
Grand Prairie, TX 75052

Contact: Don Hudnall
817-280-2832

<mailto:dhudnall@bellhelicopter.textron.com>

Upcoming Meetings, Seminars and Conferences

2005 American Industrial Hygiene Conference & Exposition

Date: May 21 – 25, 2005

Location: Anaheim Convention Center, Anaheim, CA

Contact: <http://www.aiha.org/aihce05/aihce.htm>

Homeland Defense Training Conference: Psycho-Social Aspects of Catastrophic Disasters

Date: June 1 – 2, 2005

Location: Washington Convention Center, Washington, DC

Contact: http://www.marketaccess.org/event_socialaspects.asp#contact

An Environmental Law Seminar

Date: June 3, 2005

Location: Terrell I.S.D. Performing Arts Center, 400 Poetry Rd., Terrell, TX

Contact: 972-524-0007

ASSE Professional Development Conference & Exposition

Date: June 12 – 15, 2005

Location: New Orleans, LA

Contact: <http://www.asse.org>

Health Effects of Welding

Date: July 23 – 24, 2005

Location: West Virginia University, Morgantown, W. VA

Contact: http://www.hsc.wvu.edu/IOEH/health_effects_of_welding.htm

National Safety Council Congress & Expo / XVIIth World Congress on Safety and Health at Work

Date: September 18 – 23, 2005

Location: Orlando Convention Center, Orlando, FL

Contact: <http://www.nsc.org/events>

OSHA/MSHA Update

Date: September 27, 2005

Location: Ruthe Jackson Center, 3113 South Carrier Parkway, Grand Prairie, TX 75052

Contact: Don Hudnall at 817-280-2832 or <mailto:dhudnall@bellhelicopter.textron.com>

Second International Symposium on Nanotechnology and Occupational Health

Date: October 3 – 6, 2006

Location: Radisson Hotel Metrodome, 615 Washington Ave., SE, Minneapolis, MN

Contact: <http://www.cce.umn.edu/conferences/nanotechnology/>

Exposure Assessment Symposium

Date: October 20 – 21, 2005

Location: Marriott City Center Downtown, Denver, CO

Contact: <http://www.aiha.org/TheAcademy/html/eaagenda.htm>

PCIH 2005

Date: October 22 – 25, 2005

Location: Marriott City Center Downtown, Denver, CO

Contact: <http://www.aiha.org/TheAcademy/html/pciht.htm>

Year 2005 Membership

Hurst Blvd (Hwy 10)

Dairied Trucks

NTS-AIHA Membership Benefits Include

- Subsidized meetings and member discounts.
- \$10 savings on each issue of newsletter sponsorship. \$15/issue for non-members. \$5/issue for members
- NTS-AIHA Membership Directory sent in December and upon request. Members only.
- Immediate notification of local job opportunities for members on email distribution list. .
- NTS-AIHA Voting Rights.

Dues are only \$15 / year

Thank you for taking the time to complete the following information even if you are renewing your membership.

NTS-AIHA MEMBERSHIP APPLICATION

(Please print)

Name: _____
 Certification: _____
 Title: _____
 Employer: _____

Business address: _____ Home address: _____

Phone: _____ Fax: _____ Phone: _____ Fax: _____

Email address: _____

(NOTE: Please provide an e-mail address so that the newsletter can be e-mailed to you. Hardcopies will no longer be mailed.)

In membership directory, list my: (check one) Business: ____ Home: ____

Do you wish to receive immediate notification
 of job opportunities via email: (check one) No: ____ Local I.H. All I.H Jobs
 Jobs: ____ rec'd: ____

Are you a national member: Yes: ____ No: ____

Signature: _____ Date: _____

Dues: \$15.00 per year.....Make checks payable to NTS-AIHA
 Send this form and payment to:
North Texas Section – American Industrial Hygiene Association
P.O. Box 610925, Dallas, TX 75261
 Federal Tax ID 31-1254249