



bulletin

CONVEYOR EQUIPMENT MANUFACTURERS ASSOCIATION

6724 Lone Oak Boulevard • Naples, Florida 34109

OFFICERS

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Fred Thimmel
Bryant Products, Inc.

Vice President

Daniel Fannin
Emerson Power Transmission

Secretary

R. Todd Swinderman
Martin Engineering

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Ralphs-Pugh

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CEMA

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Drives, Inc.

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Mike Nisenbaum
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Term expires 2009

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Merle Davis
Automotion, Inc.
Gregg Goodner
Hytrol Conveyor Co., Inc.

Term expires 2010

Jim Calhoun
FMC Technologies
Warren Chandler
Stephens-Adamson
Rick Lee
Transnorm System

STAFF

Executive Secretary

Philip Hannigan

Meeting Coordinator

Kimberly MacLaren

Legal Counsel

Carroll A. Weimer, Jr.
Weimer & Boyce, Lawyers

Summer 2007

CEMA FALL MEETING HAS NEW MEETING DAYS

At the CEMA Fall Meeting in 2006, the Board of Directors responded to member requests to consider changing the Fall Meeting schedule of Thursday - Friday to a two day period earlier in the week. The Board approved a Tuesday - Wednesday schedule on a test basis. The Chicago O'Hare Hilton Hotel was amenable to changing the dates of our 2007 contract. The CEMA Fall Meetings for this year will now begin on Tuesday, September 18, and will end on Wednesday, September 19, 2007. This mid-week approach should help members avoid the end of week travel problems and costs associated with trying to get out of O'Hare on a Friday.

The schedule of meetings will remain unchanged. On Tuesday there will be meetings of the Engineering Conference Planning Committee, Safety Committee, Board of Directors, Government Affairs Committee and a joint meeting of the Membership and Marketing Committees. On Wednesday, the Sections will meet: Conveyor Chain, General Bulk Handling, Screw Conveyor, and Unit Handling Conveyor. The last meeting on Wednesday will be a second Board of Directors Meeting.

CEMA's 74th ANNUAL MEETING ANOTHER SUCCESS



The 74th CEMA Annual Meeting began with a get acquainted reception on Friday Evening, March 10, 2007 at the JW Marriott Resort, Palm Desert, California.

The next morning at 7:30 a.m. the CEMA Standing Committees met. Those Committees were: Government Affairs, Meetings, Membership, and Marketing.



At 9:00 a.m. President Thomas Easterhouse called the General Business Session to order. Forty-three member companies were in attendance.



After introductions, two new members, Harry Cardillo of Habasit Belting LLC and Bob Gladczak of Intralox, LLC presented short outlines of their companies by way of their introduction to CEMA.

CEMA President, Tom Easterhouse, kicks off the Annual Meeting's General Business Session

The members elected the following people as members of the Board of Directors to three-year terms expiring in 2010: Jim Calhoun (FMC Technologies), Warren Chandler (Stephens-Adamson), and Rick Lee (Transnorm). Past President, Jim Lamb will serve a 1 year term as the Past Presidents representative on the Board. The members thanked outgoing Board Members, Bill Pugh (Ralphs-Pugh Company), and Bill Casey (SI Systems) for their service to the association.

The Keynote speaker was Steve Rizzo, who spoke on the topic "How to choose a healthy attitude personally and professionally". Mr. Rizzo was informative and entertaining.

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CEMA PRODUCT SECTION OFFICERS

Conveyor Chain Section

Chair: Fred Spurck
Webster Industries, Inc.
V. Chair: Mike Nisenbaum
U. S. Tsubaki

Conveyor Controls Section

Chair: Vacant

General Bulk Handling Section

Chair: Warren Chandler
Stephens-Adamson
V. Chair: Terry Stiles
Orthman Conveying Systems

Palletizer Section

Chair: Vacant

Screw Conveyor Section

Chair: Jim Calhoun
FMC Technologies
V. Chair: Terry Stiles
Orthman Conveying Systems

Unit Handling Conveying Section

Chair: Merle Davis
Automotion, Inc.
V. Chair: Joe Forte
Portec Flomaster

CEMA COMMITTEE OFFICERS

Finance/Budget Committee

Chair: Bill Pugh
Ralphs-Pugh

Government Affairs Committee

Chair: Fred Thimmel
Bryant Products, Inc.

Insurance Committee

Chair: Vacant

Marketing Committee

Chair: George Huber III
Industrial Kinetics, Inc.

Meetings Committee

Chair: Gregg Goodner
Hytrol Conveyor Company, Inc.

Membership Committee

Chair: Tom O'Brien
Ralphs-Pugh Company

Past Presidents Committee

Chair: James Lamb
Drives, Inc.

Statistics Committee

Chair: Dan Fannin
Emerson Power Transmission

Strategic Planning Committee

Chair: R. Todd Swinderman
Martin Engineering

Annual Meeting Continued ...

His focus was on bringing humor into your daily life as a significant and needed component for reducing the stresses in daily life and having a successful life.

Representatives from Trade Industry Magazines presented the membership with their assessments of business conditions and their estimates of the road ahead. The members heard from Jim Indelicato representing DC Velocity Magazine, David Madonia representing Material Handling Management Magazine, and Kevin McPherson representing Modern Materials Handling Magazine

In the Afternoon, Yasue Pai, Foreign Commercial Services Officer, US Department of Commerce, from the San Jose, California office, provided an outstanding overview of the "Opportunities and Challenges in the China Market". Some outtakes from her briefing include the following:

- Companies should avoid "China Euphoria." Just because others are there, you do not necessarily need to be there.
- If you do get involved in China do due diligence thoroughly and early before signing anything. Check the business licenses of any company you deal with. Seek expert legal advice early and often.
- Make use of the 125 FSO Trade Specialists that are stationed in China. Their purpose is to help U.S. companies export their services and products to China, and they are there to help protect U.S. business interests in China. They can help match up manufacturers and distributors. They can do background checks on clients and distributors. They can identify the appropriate Government Ministries you need to see.
- Free research is available at <http://www.export.gov/china>. Additionally, the web site has an Intellectual Property Resources Protection Tool Kit. Use it. Keep your exit strategies up to date.
- Remember: "In China everything is possible but nothing is easy."



China Trade Seminar Participants l-r, Tom Easterhouse, Dan Fannin, Bob Gibb, Bob Nogaj, Bob Hoehn, and Yasue Pai.

Ms. Pai then participated in a China Business Round Table Panel moderated by CEMA President, Tom Easterhouse, and consisting of Bob Hoehn (LICO, Inc.), Robert Nogaj (Martin Engineering), Robert Gibb (Can-Am Chains), and Dan Fannin (Emerson Power Transmission), all of whom have been active in dealing with the China market for some time. Some outtakes from the panel include:

- There can be as many as 5 to 7 Layers of Distribution in China.
- A knowledge of the real costs to do business in China is paramount.
- High turnover is one of the costs. The average tenure of a new hire is two years. After that they are moving on and up.
- One company wanted to produce in China and import the product to the U.S. The actual results were that all of the China product was consumed in China.
- Preconceptions of what the China consumer needs, based on U.S. experience, can produce very bad outcomes. Know your China consumer and define your product well for them.
- "There are many layers of mist in China."

After the panel session, the CEMA Past Presidents Committee met. That evening, there was a casual Reception and Dinner.

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81st
**ENGINEERING
 CONFERENCE
 2008**

CONFERENCE OFFICERS

Chair: Avanas Bhalerao
Bechtel Corporation

1st V. Chair: UNIT HANDLING
 Kevin Bayliss
FKI Logistex

2nd V. Chair: BULK HANDLING
 Corrie Godee
Stephens-Adamson

COMMITTEE OFFICERS

Belt Conveyor Systems Manual
 Chair: R. Todd Swinderman
Martin Engineering

Unit Handling Book
 Chair: Gary Giuliano
Intelligrated, Inc.

Bulk Conveyor Accessories
 Chair: George Mott
ASGCO Manufacturing, Inc.
 V.Chair: Corrie Godee
Stephens-Adamson

Conveyor Chain
 Chair: Steve Rhoad
Webster Industries, Inc.
 V. Chair: Jim Warman
Can-Am Chains

Conveyor Controls Committee
 Chair: Doug Oliphant
Kasa Industrial Controls, Inc.

Conveyor Idlers
 Chair: Todd Kirkpatrick
Continental Conveyor & Equip. Co.
 V. Chair: Jarrod Felton
Superior Industries

Conveyor Pulleys
 Chair: David Ackels
Van Gorp Corporation

Conveyor Safety Committee
 Chair: Phil Kaffenberger
HK Systems
 V. Chair: Bruce Whitman
Dematic Corp.

Screw Conveyors
 Chair: Bill Mecke
KWS Manufacturing Co., Ltd.
 V. Chair: Trevin Berger
Martin Sprocket & Gear, Inc.

Terms and Definitions
 Chair: Phil Hannigan
CEMA

Annual Meeting Continued ...

Sunday was a day of activity including a 5 K Run/Walk, a Golf Tournament, Power Resting and Tanning around the pools, Sightseeing and Dining, in and around the beautiful Coachella Valley.



Changing of the guard. Tom Easterhouse congratulates Fred Thimmel upon his assumption of the CEMA Presidency.



"Old Blue Eyes" and his Rat Pack gave a "boffo Performance"

On Monday, the General Bulk Handling, Conveyor Chain, Screw Conveyor, and Unit Handling Sections met to update themselves on the industry, their product areas of interest, and on the many projects that they either conducted or sponsored.

The Annual Meeting concluded on Monday Evening with the Annual Reception and Banquet which featured entertainment by "The Rat Pack", a group of three entertainers who played the roles of Frank Sinatra, Sammy Davis, and Dean Martin. They were very well received and helped make the event even more memorable.

All in all, the four days devoted to this meeting were not only productive for CEMA as an association, but also gave the members ample opportunities to network, create, and renew old friendships and acquaintances.

If you attended, we look forward to seeing you again next year. If you did not attend, you missed something very special. You should plan to attend next year when we meet March 7-11, 2008 at the LaQuinta Resort & Club in LaQuinta, California.



CEMA Past Presidents Committee: Gregg Goodner (2000-01), Jim Lamb (2004-06), John Raab (1996-97), Bill Casey (2003-04), Tom Melton (1992-93), and Bob Hoehn (1989-90).



Bob Hoehn welcomes CEMA's youngest attendee to the Annual Meeting, his grand daughter, Ava Hoehn. Miss Ava took the prize for the cutest attendee, hands down.



Wives, Janice Barry and Sheena McLean enjoy a time out during the Annual Dinner.



I-r Tom and Goldee O'Brien (Ralphs-Pugh Co) share a moment with Tena and Bob Gibb (Can-Am Chains)



I-r Mike and Kim Mitchell (Stober Drives, Inc.) catch up with Geoff and Roz Normanton (Fenner Dunlop America) at the meeting.



Phil Kaffenberger (HK Systems) welcomes first time attendee Bob Gladczak of new member Intralox LLC.



I-r Attending their first CEMA Meeting, Dusty and Lindy Bradley (Precision Pulley & Idler) are welcomed by part of the CEMA Canadian contingent, Robyn and Joe Hartney (Precismeca Ltd), and new CEMA Board Member Warren Chandler and his wife Mary (Stephens-Adamson)



I-r Garry Abraham (Screw Conveyor Corp.) and his guest, Nancy Denk, congratulate Bill Pugh (Ralphs-Pugh Co.) and his wife, Debbie, on Bill's Election as CEMA Treasurer.

CEMA BOARD OF DIRECTORS 2007 ANNUAL MEETING ACTIONS OF INTEREST TO THE MEMBERSHIP

CEMA'S 75TH ANNIVERSARY IN 2008

The CEMA Annual Meeting in March, 2008 will mark CEMA's 75th Anniversary as an Association. The Meetings Committee was asked to make it a very special event. Ideas are welcome. Contact the CEMA Staff.

STATISTICS COMMITTEE UPDATE

At the Fall Meeting, the Board had reconstituted the CEMA Statistics Committee to review CEMA statistics and market size as published by CEMA. Problems identified included:

1. An apparent mismatch between CEMA's estimate of the size of the market based on value of shipments and the U.S. Department of Commerce (DOC) historical statistics for the same category. The result of this is a perception of a declining to flat industry over the past several years according to CEMA and a growing industry according to the Department of Commerce for the same period. This has an effect on capital investment, R&D, and other financial decisions. It also promotes a blind eye to new growth segments that may need new products.
2. The old factor of .4562 percent of market represented by CEMA members appears suspect since it has not been re-calculated in many years despite changes in membership size.
3. A lack of a procedure and model for re-calculating and re-stating the estimated market size represented by the CEMA manufacturing membership when companies join or leave CEMA, or when insider changes occur such as divestitures and mergers. Also, there needs to be a proper accounting for import changes.

The recommendations of the study were discussed and adopted by the Board. Specifically, going forward,

1. The CEMA Statistics Committee will meet at the Annual Meeting and review changes in CEMA and the market over the previous year.
2. They will recalculate the Industry Factor annually for the CEMA Yearbook's Fall Publication.
3. The CEMA Staff will assist in the recalculation of the change in the factor.
4. CEMA will restate the current industry factor based on gains and losses in CEMA.
5. The "New Factor" will be correlated with DOC census data to validate the industry size.
6. CEMA will restate its previous estimates of "Annual Conveyor Industry Shipments" at least as far back as 2002 and will publish them in the next CEMA yearbook.
7. In the CEMA Yearbook, the accompanying graph will correlate to those "Industry Shipment" numbers as opposed to the current "Index of Billed Sales."
8. The CEMA Staff is authorized to provide Industry Estimate Dollar Figures to interested parties outside of the CEMA membership.
9. The CEMA Bylaws section on "Statistics and Special Surveys" will be updated to reflect the changes approved above.

Additionally, since the current estimate of CEMA member share of industry shipments is approximately 31% of the market as opposed to a time when we represented 47% of the market, it is vital that CEMA rebuild its membership in order to maintain its credibility as "The Voice of the North American Conveying Industry." To that end, the Board directed the following:

1. The Statistics Committee will review the definitions of the CEMA Statistics Reporting Categories to insure that we have reporting capabilities for all of the distinct categories of conveying equipment currently in the marketplace.
2. The membership criteria should be reviewed to insure that we are able to accommodate the manufacturers selling in the North American Conveying Market who may not, by virtue of current criteria, be eligible to join. Specifically, how do we handle the large multi-national manufacturers who may not be based in North America but who sell significant quantities of conveying equipment into the market.
3. The Membership and Marketing Committees should, with the help of the Section members, pursue identification of several of the largest companies that should be CEMA members. The criteria should be based on items 1 and 2 above or on indigenous manufacturers that do not currently belong. A concerted effort should be launched to bring them into the association.

In support of the effort to identify candidate members, the Board asked the CEMA Staff to e-mail the Official Representatives and solicit from them the names of one to three companies that they believe should be CEMA members. The replies should also identify a person in the company that should be contacted. The replies will be consolidated and sent along to the Membership Committee for further action.

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RATE OF ASSESSMENT FOR 2007-2008

The Board voted to maintain the current rate of assessment at 40 cents per \$1,000 of billed sales with a cap on assessments of \$28.75 Million in sales for the 2007-2008 fiscal year. The Board also re-adopted the CEMA policy of discounting the normal dues assessment by 50% for companies which participate in the CEMA Monthly Statistics Reporting Program and who report their statistics in a timely manner. This rate of assessment has remained unchanged since 2002.

CEMA STATISTICS REPORTING

We continue to have about 30 companies that use Bob Reinfried's late reminder as a suspense system to enter their company's monthly statistics. When companies do not report in a given month an estimate is used by the CEMA Staff. The Board is considering identifying those companies for whom an estimate was used. A final decision will be made at the CEMA Fall Meeting.

The Board approved opening up two months of reporting capability when members come online to submit their statistics but it is not clear that this will solve the late reporting problem. Announcement will be made when necessary programming is complete.

Online reporting does not yet work for everyone for a variety of reasons, even after a year of operation of the online system. The Board considered ideas on how to have everyone use the online system. The Board decided that companies will no longer receive the monthly statistics reports in paper after a brief phase out period. The participating members should use the print-out capability built into the CEMA On-line Statistics Program to retrieve the reports they need.

BELT BOOK UPDATE

The second printing is complete with the addition of the CD. The second printing addresses the typos and errors of the first printing. A PDF of all pages that had any changes is available for free download on the CEMA Web Site's Home Page. They can be printed and inserted into hard copies of the first printing. Additionally, The Belt Book Marketing Committee and Subcommittee recommended that free CD's be sent by CEMA to those who had been given complimentary copies. To accomplish this, CEMA member companies who have given out complimentary copies of the Belt Book should provide CEMA with the mailing addresses (preferred) or contact information. Without this information, no complimentary CD's will be sent. CEMA's Directors have approved that request. To date, 813 copies of the Belt Book second printing CD were sent out gratis, 1,650 copies are still in inventory. To take advantage of this generous offer, please provide CEMA with the requested information.

The Belt Book committee has begun collecting topics for the Seventh Edition and will begin work on that edition at the Engineering Conference.

It was reported that there is a lot of industry interest in a computer program based on the sixth edition of the Belt Book. The Board approved the concept and recommended that it be added to the agenda of the Bulk Section at the upcoming Engineering Conference.

INVENTORY POLICY

The Board reaffirmed its inventory policy for hard copies of CEMA publications. Only Screw Conveyor Standards 300 and 350 as well as the Belt Book will be maintained in hard copy format for sale. All other hard copies remaining in inventory will be given away free at the upcoming Engineering Conference. Copies remaining after the Engineering Conference will be thrown out.

COLD TESTING TO DETERMINE A ROLLER FRICTION FACTOR

The Board approved the Bulk Section recommendation that the Kt Cold Testing for Roller Friction should go forward. The Board has allocated \$20,000 to the program per the request of the Idler Committee. The Idler Committee Chair, Todd Kirkpatrick, was informed that he has full authority to initiate the program within the current budget.

UNIT HANDLING BOOK

There is a lot of enthusiasm and support for the Unit Handling Applications Book that is under development. They feel that this will be an especially useful resource particularly for distributors. The Board has requested that the Unit Handling Applications Book be registered and copyrighted as part of its final development.

Northwest Airlines Adopts CEMA Conveyor Safety Poster



Luggage System Safety



In April, the corporate safety office of Northwest Airlines asked CEMA to allow them to adopt and adapt our CEMA Baggage Handling Safety Posters for their use system-wide.

Since our goal in the CEMA Safety Program is to disseminate good safety practices to the widest possible audience of users, we agreed to let them adopt our posters and adapt them to their needs. The only caveat was that CEMA should receive attribution as the source. (Editors note: See bottom right of poster)

The poster to the left is what Northwest has adopted for their use. Another success for our CEMA Conveyor Safety Program.

We remind one and all that the posters are available for free download from the CEMA Safety Page on the CEMA Web Site at the following location: <http://cemanet.org/safety/posters.htm>

Let your customers know they are available for use in their plant safety programs as well as your own safety programs.

Board of Directors Continued ...

COSTS OF QUALITY SURVEY

The Board approved a Unit Handling Section proposal to develop a survey to identify the Costs of Quality (Scrap, Rework, and Warranty). Merle Davis will lead the effort to develop a proper format for the survey and what data might be relevant and useful. The first effort will be to identify ten or so items of significance and ask member companies to list the top three to track. He welcomes any help or suggestions for this project. Contact him or the CEMA Staff.

MEETINGS

The meeting sequence of two western sites and one eastern site still appears popular. The problem with the eastern sites is the membership desire to be on the water during that meeting. This pretty well limits us to South Florida in March for beach waters that are warm enough to swim in.

The meeting cap of \$300 is cutting into our choices of venue. Prices continue to rise. While we are locked in with rates of less than \$300 through 2008, the 2009 venues that we might consider are getting pricier. The Board approved giving Bob Reinfried and the Committee leeway to explore rates over \$300 to reflect inflationary factors. Additionally, to make the increased rates more palatable, the committee was asked to pursue discounts on parking and other fees.

The option of meeting outside the U.S., such as Cancun, Mexico was discussed and the Board consensus was that this option is still not desirable for a number of reasons.

They are looking at increasing member participation in individual meetings by attempting to change the schedule in a way to minimize overlap, if possible or practical, in the future.

Their current list of industry relevant topics for future meetings includes Value engineering, Lean thinking, and Root cause analysis. Other ideas are solicited and are most welcome.

80th
ENGINEERING
CONFERENCE
2007

CONFERENCE OFFICERS

Chair: Boyce Bonham
Hytrol Conveyor Company, Inc.

1st V. Chair: BULK HANDLING
Avanash Bhalerao
Bechtel Corporation

2nd V. Chair: UNIT HANDLING
Kevin Bayliss
FKI Logistex

COMMITTEE OFFICERS

Belt Conveyor Systems Manual
Chair: R. Todd Swinderman
Martin Engineering

Bulk Conveyor Accessories
Chair: George Mott
ASGCO Manufacturing, Inc.
V.Chair: Corrie Godec
Stephens-Adamson

Conveyor Chain
Chair: Ed Pawlicki
Drives, Inc.
V. Chair: Steve Rhoad
Webster Industries, Inc.

Conveyor Controls Committee
Chair: Doug Oliphant
Kasa Industrial Controls, Inc.

Conveyor Idlers
Chair: Todd Kirkpatrick
Continental Conveyor & Equip. Co.
V. Chair: Mike Petron
Superior Industries

Conveyor Pulleys
Chair: Tim Wolf
Precision Pulley & Idler
V. Chair: David Ackels
Van Gorp Corporation

Conveyor Safety Committee
Chair: Phil Kaffenberger
HK Systems
V. Chair: Bruce Whitman
Dematic

Screw Conveyors
Chair: Bill Mecke
KWS Manufacturing Co., Ltd.
V. Chair: Trevin Berger
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Terms and Definitions
Chair: Phil Hannigan
CEMA

**THE 80th CEMA ENGINEERING CONFERENCE
VERY PRODUCTIVE**

The 80th CEMA Engineering Conference convened at the LaPlaya Beach Resort in Naples, Florida from June 24th through June 27th. The conference officers this year were Chair Boyce Bonham (Hytrol Conveyor Company, Inc.), 1st Vice Chair, Avanash "Andy" Bhalerao (Bechtel Corporation), and 2nd Vice Chair, Kevin Bayliss (FKI Logistex). Forty-four member companies were represented by 63 people with a total, including spouses, staff, and others of 91 people.

One problem this year was that we were competing for rooms at the hotel with another association meeting. Some of our people were not able to get accommodations at the hotel. To attempt to remedy this next year, we will send out first call notifications about a month earlier than this year, March vs April, and will encourage all to get their reservations in as early as possible. While this will not guarantee that we will get accommodations for everyone, it will certainly help.

As organized by the conference officers, the conference attendees and guests were given the opportunity to get acquainted at a reception and dinner on Sunday evening.

Monday's session kicked off early and featured a three hour seminar on "Product Safety / Product Liability" by George V. Karosas P.E. CSP, Senior Consultant, Engineering Systems, Inc.. Mr. Karosas is a registered Professional Engineer and a Certified Safety Professional. He is also on CEMA's Expert Witness List. One of the purposes of the seminar was to provide any Professional Engineers present at least three hours of continuing education credit towards maintaining their current certification.

The afternoon was devoted to the Safety Committee Meeting to which all were invited. See summary below.

All day Tuesday and Wednesday morning were devoted to individual Section and Product Committee meetings where each group focused on the technical standards and other publications, best practice recommendations, and other projects that the Association's Official Representatives have asked their Engineers to focus on. Tuesday's activities were capped by a reception and dinner for all that evening. One highlight of that dinner was an address by Fred Thimmel, newly elected CEMA President, who related, among other things, the new directions that CEMA is attempting to go in this new century. Opportunities for Technical, Professional, and Social Networking abounded at the CEMA Engineering Conference.

Key items coming from the meetings are described below:



SAFETY COMMITTEE

The Safety Committee reviewed two best practices documents that are currently in development: “E-stop Guidelines” and “Spill Guard Guidelines”. The goal is to produce guidelines that reflect a consensus and the support of participating OEM’s. They will be placed for free download on the CEMA Safety Page as a “Best Practice” and will also be incorporated as a chapters in the Unit Handling Book.

The Committee worked on “Area Guarding Guidelines”. The goal of this guideline is to address innovative techniques for guarding conveyors that by location, configuration, or physical restrictions, cannot be accomplished by convention guarding. This document will include commentary regarding interpreting the term “Guarded by Location” as applied to differentiating between maintenance and operations personnel and using the signage “authorized personnel only” to define an area that should be restricted to maintenance only.

Bruce Whitman presented a document entitled “Customer Safety Training Responsibility and Content” that his company has developed. Bruce stepped through the document and suggested that each attendee consider a similar plan for their company’s training program

Kevin Bayliss reviewed PMMI’s new publication, “Risk Management Basics”. The goal was to introduce the safety committee membership as well as OEM’s to the concept as well as to strongly urge companies to adopt their own formal risk management programs.



UNIT HANDLING COMMITTEE – Unit Handling Book Decisions

They will be adding new chapters:

1. Conveyor Symbols.
2. Table Top Chain and Plastic Belting.
3. Flat Top Chain Conveyor.

Four companies agreed to work on candidate designs for the Unit Book Cover.

Two volunteers for each chapter were assigned to review, correct, and make improvement suggestions through the change process on the Unit Book page.

They recognize the need for a Marketing Committee for the Unit Book. They will pass this request on to the CEMA Marketing Committee at the Fall Meeting.

They agreed that the focus of the Unit Book is to make it a teaching book so that it can be more easily marketed to colleges and universities. In line with this, they also discussed the idea of having questions at the end of every chapter or make an educational supplement with lesson plans and the like to reinforce the focus on usability at technical education institutions.

There was discussion about making a preview copy of the Unit Book available as an abbreviated “sneak-peak” to entice professors and other potential buyers to purchase books when completed.

There was discussion about having web addresses in the book or a DVD with the book that contains videos of important information like showing a conveyor system running.

They made a final decision to keep the Unit Book and the existing Unit Standards separate. They will duplicate information from the existing standards into the Unit Book as necessary where and when it makes sense to compliment the flow and instructional information in each chapter.

They set a deadline of having the final versions of the chapters completed by October 2008 with the goal of having a published book available by January 2009. .

GENERAL BULK COMMITTEE

They recommended the following new initiatives:

1. Conveyor system design should address impact on fire, safety (personnel and equipment), health and environment.
2. Develop scope of work for a CEMA conveyor program for sizing conveyors, feeders and horsepower.
3. Develop design criteria for vibrating conveying equipment.
4. CEMA recommendations on loading conveyors on carrying and return sides

BELT BOOK COMMITTEE

They are very much involved in developing a realistic Belt Cover Rolling Resistance Factor K_{ibR} . A presentation was given by Al Reicks explaining the testing and calculation methodology for arriving at the value of K_{ibR} for various belt cover compounds. It was agreed that the Belt Book K_{ibR} would now move forward based on this proposed approach. The K_{ibR} group plans to meet again at the CEMA Fall Meeting in September.

Committee suggestions for the 7th Edition of the Belt Book include the following:

1. More information on Variable Frequency Drives for conveyors.
2. Cover reversing conveyors more completely.
3. Add a section on typical conveyor structures.
4. As the belt book grows in content do we need to separate it into 2 volumes or sections, one technical and one application guidelines orientated?
5. Stay focused on belt conveying and avoid the temptation to expand the book into a general material handling book. Rather, provide references other books on material handling.
6. Discuss loading on the return side of the belt.
7. Design and use of drip pans.
8. Additional information and suggestions on how to deal with corrosion.
9. Handling of very wet materials.
10. More information on drive pulley friction, torque transmission and wrap calculations.
11. Establish standards for measuring carry over and set acceptable limits.
12. In the belt and pulley chapters discuss the phenomenon of rubber reversion.
13. More information on lagging types and application related to pulley size.
14. Splice life calculations
15. Suggest that for a variety of reasons standard practice be to select one pulley size larger than the minimum pulley size based on belt selection.
16. The 7th edition to follow the metric/imperial format developed by the Unit Handling Book Committee.

BULK ACCESSORIES COMMITTEE

They reviewed draft proposal on Belt Cleaner Standard.

The next draft will incorporate a formula for horsepower as shown on page 341 of Belt Book.

Belt coverage will be set at the minimum as per 11.1 in Belt book with a paragraph to explain the reasoning.

CEMA Standard 575-2000, Impact Beds is now under review for changes and updates.

CONVEYOR CHAIN COMMITTEE

They reviewed their draft chapters for Unit Book. They are shooting for July 31, 2007 completion. Attendance has dropped in recent years. Attendance needs more attention by the stakeholders.

PULLEY COMMITTEE

The committee continued work on a revision of ANSI/CEMA Standard B 105.1 " Specifications for Welded Steel Conveyor Pulleys with at target date of completion in 2008 in time for its five year ANSI review.

SCREW CONVEYOR COMMITTEE

The Committee dealt with the following items:

VFD Horsepower Calculations & VFD Selection – They reviewed the VFD Selection document, discussed questions and comments on various sections. A motion to accept the document as written and send to the OR's for final approval at the Fall Meeting and addition to the next edition of CEMA 350.

Shaftless Screw Conveyor Standards – They reviewed “Shaftless Standard” handout. Made editorial changes to table. Discussed diameter tolerances and nominal screw diameter. Differences of option on “actual” screw diameter. Agreed to look at all member companies moving their “actual” diameters to $\frac{1}{4}$ ” under the nominal diameter. i.e. 9”dia (nominal), actual diameter would be 8-3/4”dia. Respond with feedback to Phil no later than August 17th. If all member companies agree, the proposed standard will be revised and resubmitted to Phil for dispersion to committee members.

Large Diameter Shaft Standards – The consensus was that we wanted to continue with this project. All felt it was worthwhile and worth the expense to alter existing jigs. Mark Wilkerson will put together a “recommended” table for the committee to review. Table will be due to Phil no later than August 17th. It was also recommended we add 5-7/16”diameter shafts as well.

30”dia. and 36”dia. Conveyors – Based on information gathered from member companies, dimensional standards are different for troughs, hangers, etc. Standardizing on these items will be much more difficult than couplings shafts. To date, we only have dimensional information from KWS and Martin. Shane will provide information from FMC and Adam will provide information from Summerlot. Jeff Gerhart will compile all the information into a centralized chart.

They revisited exploring calculations for de-rating pipe when using quick disconnect caps. They agreed to contact an engineering firm to get an estimate on cost involved to perform finite element analysis to develop an equation to model torsional ratings. Discussion will also involve variables that will impact these ratings.

They discussed whether they should look at physical properties of materials, such as stainless steels, at high temperatures.

They discussed whether to develop a CEMA sizing program. Two member companies already have a simple horizontal sizing and horsepower equation they provide to end users. The only thing the section would be willing to do is support the existing CEMA equations. i.e. Horizontal, uniformly fed, etc. They could then put this equation on the CEMA website. They will refer this suggestion to the Fall Meeting for input and interest in having the engineering committee pursue this initiative.

End.

CEMA MEMBER COMPANY NEWS

Membership

As of July 20, 2007, CEMA's membership stands at 90, with 81 Manufacturing Members and 9 Technical Members.

New Members

Advanced Conveyor Technologies (ACTEK) of Mankato, Minnesota, joined CEMA on April 20, 2007 as a Technical Member. They design and specify Bulk Conveyor Systems and Pneumatic Conveyor Systems. Their Official Representative is David Kruse, vice-president, and their Alternate Representative is Ryan Lemmon, president.

Schneider-Electric of Raleigh, North Carolina, joined CEMA on February 28, 2007. They manufacture Bulk Conveyor Components and Conveyor Controls. Their Official Representative is Robert Konermann, segment manager-material handling, and their Alternate Representative is Joe Flaviani, manager - applications development.

Habasit Belting LLC of Suwanee, Georgia, joined CEMA on February 1, 2007. They manufacture Bulk Conveyor Components. Their Official Representative is Harry Cardillo, ceo, and their Alternate Representative is Chris Nigon, president of Habasit's subsidiary, KVP Summa Industries.

Pioneer Conveyor LLC of Mountain Lake Park, Maryland, joined CEMA on December 1, 2006. They manufacture Bulk Conveyor Components, Systems, Equipment, Controls and Components. Their Official Representative is Joshua Helbig, operations manager, and their Alternate Representative is Rusty Strubin, quality engineer.

EDITOR'S NOTE

We will be happy to print member company news if you remember to include CEMA Headquarters in your press release distribution list.

Company News

FLEXCO is celebrating its 100th Anniversary in 2007.

Screw Conveyor Corporation is celebrating its 75th Anniversary in 2007.

CONGRATULATIONS TO BOTH COMPANIES and BEST WISHES FOR CONTINUED SUCCESS.

Sandvik Sorting Systems is now **Cinetic Sorting Corp.**, a subsidiary of **Compagnie de Fives-Lille, France.**

As of June 30, 2007, Sandvik Materials Technology, the parent of Sandvik Sorting Systems, divested the business to the French company Cinetic Industries, a subsidiary to the industrial group Compagnie de Fives-Lille (Fives-Lille).

Sandvik Sorting Systems has operations in Italy, the US and Japan and produces sorting systems for example postal, parcel and baggage handling. Operations today have sales of about SEK 1,000 M, with 300 employees. All units within Sandvik Sorting Systems transferred to Cinetic Industries in conjunction with the acquisition.

Fives-Lille is a global industrial group which designs and supplies process equipment and plant facilities on a turnkey basis for major players in the metal, automotive/logistics, cement and energy industries. Fives-Lille is currently a partner to Sandvik Sorting Systems on the French market.

Tom Barry remains the CEMA Official Representative.

CEMA MEETING SCHEDULE - 2007-8

Fall Meeting,

Tuesday - Wednesday, September 18-19, 2007
O'Hare Airport Hilton Hotel, Chicago, Illinois

Annual Meeting,

Friday - Tuesday, March 7-11, 2008
LaQuinta Resort and Club, LaQuinta, California

Engineering Conference,

Sunday - Wednesday, June 22-25, 2008
LaPlaya Resort, Naples, Florida