

LIFELINES

Mila Aldema-Ramos, see *JALCA* **102**, 280, 2007

Zerlina E. Muir, see *JALCA* **106**, 239, 2011

Joseph Uknalis, see *JALCA* **110**, 121, 2015

Ngoan Truong, see *JALCA* **110**, 121, 2015

Joseph Trusello, see *JALCA* **110**, 121, 2015

Xiaoying Xu is now a Master candidate of leather chemistry and engineering of Sichuan University. She studied as an exchange student in the Igualada College of Industrial Engineering – “Leather Technology School” (Universitat Politècnica de Catalunya-UPC, Spain) in 2014. Her research interests cover the clean technology of leather manufacture and its environmental issues assessment, specifically using Life Cycle Assessment (LCA).

Grau Baquero is an industrial engineer from Universitat de Girona (UdG) (Spain, 2005). He performed his MSc final work in the Fachhochschule Darmstadt (Germany, 2005) and earned his PhD degree from Universitat Politècnica de Catalunya (UPC) (Spain, 2011). He is Deputy of Studies in the Igualada College of Industrial Engineering – “Leather Technology School” (UPC, Spain) since 2011. His research areas cover environmental issues, specifically Life Cycle Assessment (LCA). He is author of various scientific publications in the fields of LCA methodology, waste management and renewable energy.

Rita Puig is a chemical engineer and PhD in organic chemistry from Institut Químic de Sarrià (Barcelona) (1993). She has been Director during 6 years of the Igualada College of Industrial Engineering – “Leather Technology School” (Universitat Politècnica de Catalunya-UPC, Spain). Her research interests cover environmental issues, specifically Life Cycle Assessment (LCA) and Industrial Ecology (IE). She is author of the first book on LCA methodology written in Spanish language (1997). She is author of many scientific publications in the fields of cleaner production, waste management, renewable energy and product life cycle optimization.

Jiabo Shi is now a PhD candidate of leather chemistry and engineering in the Department of Biomass and Leather Engineering, Sichuan University (SCU), China. He obtained his Master degree on Light Industry Technology and Engineering from SCU (2014). His research fields cover environmentally friendly non-chrome tanning technology and chemicals as well as the related environmental impact evaluation, especially using Life Cycle Assessment (LCA).

Jun Sang is an industrial engineer and now a PhD candidate in leather chemistry and engineering in the Department of Biomass and Leather Engineering, Sichuan University (SCU), China. He obtained his Master degree on Light Industry Technology and Engineering from Shanxi University of Science & Technology (China, 2010). Since then, he has been working in China Leather and Footwear Industry Research Institute. His research fields cover testing technology of leather products, risk screening and management of leather chemicals.

Wei Lin received her B.S. in leather engineering at Sichuan University in 1995. In 2000, she obtained her Ph.D. in leather chemistry and engineering in the same university. She worked as Postdoctoral Research Associate first in the University of Science and Technology of China, (USTC, Hefei, China) for two years, then in University of Geneva (Geneva, Switzerland) for two and a half years in Professor Michal Borkovec’s research group. In September 2005, she returned Chengdu and joined the Department of Biomass and Leather Engineering of Sichuan University as an associate professor. Since July 2006, she has been a full professor working on applying physical chemistry techniques to investigate practical questions underlying in conventional leather processing and extended industry. Her research currently focuses on risk screening of leather chemicals and alternative technologies toward Eco-leather manufacturing funded by National High-tech Research and Development Program (863 program) of China.

Juliana Tolfo da Fontoura (Fontoura, J.T) graduated in Chemical Engineering from the Federal University of Pampa (2011) and MSc in Chemical Engineering from the Federal University of Rio Grande do Sul (2013). Currently pursuing Ph.D. in Chemical Engineering at the Federal University of Rio Grande do Sul.

Mariliz Gutterres (Gutterres, M.), Associate Professor at the Federal University of Rio Grande do Sul has a degree in Chemical Engineering (1984), Masters in Materials Engineering (1996) and Ph.D. in Chemistry - Technische Universitat Bergakademie Freiberg (2001). It guiding masters, doctoral and research in clean technologies, water reuse, wastewater treatment, solid waste treatment, analysis of air emissions, leather technology, development of chemicals (oils, tanning agents, dyes, surface active, and other enzymes) and development of collagen material.

Gladstone C. Jayakumar, see *JALCA* **106**, 68, 2011

Swarna V. Kanth, see *JALCA* **101**, 445, 2006

J. Raghava Rao, see *JALCA* **93**, 156, 1998.

Balachandran Unni Nair, see *JALCA* **93**, 156, 1998

ALCA 11TH ANNUAL CONVENTION

JUNE 10-13, 2015

PINEHURST RESORT, VILLAGE OF PINEHURST, NC

Welcome to an exciting venue of events that will be unfolding for us from June 10 to June 13, 2015. We will host the 11th Annual Convention at the beautiful Pinehurst Resort at the Village of Pinehurst, North Carolina. It is a first class facility that you can learn more about by logging on to their website at www.pinehurst.com.

Again this year will be an email the end of March letting you know that the brochure is online with all details about the convention. Also voting for our Slate of Candidates will be done via email in late April. The online convention registration form has been updated and is ready to use or you can print out a form and send it to us. Continue checking this website for a printable convention registration form and new information and announcements about the 11th Annual Convention.

The schedule this year is similar to that of 2013 at Pinehurst, but we are moving things up by one day. We are kicking off the convention on Wednesday, June 10, with the Opening Address in the Ross/Tufts/Olmsted Room. Dr. Dietrich Tegtmeier of LANXESS Corporation will give the John Arthur Wilson Memorial Lecture from 1:15 to 2:15 pm followed by a short break and then Session 1 of the technical program. The technical program will conclude at 5 pm followed by the Fun Run on the Spa Lawn from 5:30 to 6:30 pm. That evening we will have a cocktail reception at the Carolina Terrace followed by dinner there. From 8:30 to 9:30 pm that evening you will enjoy Chipping into the Fountain, something new for our group to do. The entire evening will be a great time to have conversations with old and new associates in the leather industry.

The second day of the Technical Program will start at 8:00 am on Thursday, June 11. This year's technical program is being organized by Vice President, David Peters, and will offer a focus on Sustainability including topics such as waste water technology, improved tanning systems and auto trends plus a

wide array of leather technologies covering tanning to finishing to environmental issues and can be viewed in the coming months under this section of our website. Technical sessions will conclude at 11:45 am followed by lunch in the Carolina Dining Room for non-golfers.

Thursday afternoon will be open for a variety of fun activities. The annual golf tournament will be held at Golf Course No. 1 beginning at 12:00 pm. Pre-registration for golfers is a must to facilitate the start of the tournament. Further information on the golf outing can be found under this section as well as the brochure available in late-March. Other activities will be announced as details develop under the entertainment section of this website. That evening we will again have Golf Pro Larry Shaver with his golf swing analyzer from 7:00 to 10:00 pm along with a cocktail reception at 7:00 pm at the Resort Club Veranda followed at 8:00 pm by dinner at the Donald Ross Grill. During the evening from 8:30 to 9:30 pm, you can do Nite Light Putting on the Resort Putting Green.

Technical papers will resume Friday morning at 8:00 am with the Annual Business Meeting following the technical program at 11:45 am. At noon everyone is invited to attend the Activities Awards Luncheon in the Cardinal Ballroom where prizes will be awarded for the Fun Run and golf outing. Friday afternoon will be open for activities that will be announced soon including a Tennis Tournament/lessons. Friday evening from 6:00 to 7:00 pm will be a social hour in the Cardinal Ballroom followed by the Annual Awards Banquet at 7:00 pm. The convention will close with check out on Saturday morning after breakfast.

Please make plans now to join us for a wonderful return to Pinehurst.

Doug Morrison
Convention Chair



111th ALCA Annual Convention June 10-13, 2015 Pinehurst Resort Pinehurst, North Carolina, USA

Tentative Technical Program starting Wednesday, June 10

John Arthur Wilson Memorial Lecture

*“Sustainability – Our Passport for the Future” by Dietrich Tegtmeier,
VP Innovation and Leather Industry Relations, LANXESS Deutschland GmbH,
Germany, and Vice President of the IULTCS*

Other Papers to be Presented on Wednesday, Thursday, and Friday:

Combination Tannage by Eleanor M. Brown, United States Department of Agriculture, ERRC, Wyndmoor, PA

Probiotic Biochemicals as Leather Dyeing Auxiliaries by Juan-Carlos Castell, Proviera Biotech, LLC, Kansas City, MO

Testing of Automotive Materials and the Challenges in Meeting the OEM Requirements by Simon Courtney, SATRA, Kettering, Northamptonshire, UK

Investigating the Cell Rotary Conditioning Mechanism Using Dynamic Mechanical Analysis by Karl Flowers, University of Northampton, Park Campus, Northampton, UK

High Performance Acrylic Polymer Technology for Use in Leather Finishing Processes Expanded Update
by Joseph M. Hoefler, The Dow Chemical Company, Collegetown, PA

Elimination of Chromium Oxidation for Efficient Chromic Oxide Detections by Myron Hooks, Eagle Ottawa by Lear, Research and Product Development, Rochester Hills, MI

Automotive Leather Supply Chain Management by John Jennings, Lynch Leather Group, Troy, MI

Report on RSL Initiative by Steve Lange, Leather Research Laboratory, University of Cincinnati, Cincinnati, OH

Biobased Films Prepared from Collagen Solutions Derived from Un-tanned Hides by Cheng-Kung Liu, United States Department of Agriculture, Eastern Regional Research Center, Wyndmoor, PA

Drum Technology by Joaquin Paez, Olcina Group, Lorca, Spain

Environmental Technologies - Sludge Drying and Lime Fleshings Drying and Stabilization
by Antonio Polato, Officine di Cartigliano S.p.A., Italy

Rebirth of Leather Manufacturing in the USA by Tom Schneider, Tan Tec, Vicksburg, MS

Asia/Pacific Trade Initiatives Update and International Trade by Stephen Sothmann, U.S. Hide, Skin & Leather Association, Washington, D.C.

Leather – an Indispensable Part of Bentley DNA by Marc Stang, Bentley Motors Ltd., Crewe, Cheshire, UK

PrimeAsia’s Perspective on LWG and Associated Benefits to Our Industry by Sarah Swenson, PrimeAsia Leather Company, Exeter, NH

Reaction of Protein and Carbohydrates with EDC for Purpose of Making Products with Unique Functional Properties by Maryann M. Taylor, United States Department of Agriculture, ERRC, Wyndmoor, PA

Sustainability by Mike Tomkin, Stahl Europe bv, Waalwijk, Holland

How Far Away Are We from The Real “Green Tanning?” by William Wang, Biosk (SQ) Chemicals Co., Limited, China

Environmental Issues, CR23, California Latest Proposition and Latest OSHA Requirements by John Wittenborn, Leather Industries of America, Washington, D.C.

THE 56TH JOHN ARTHUR WILSON MEMORIAL LECTURE

by

DIETRICH TEGTMEYER

Dietrich Tegtmeier will present the 56th John Arthur Wilson Memorial Lecture at our Annual Meeting, 1:15 pm on Wednesday, June 10, 2015. The title of his presentation is:

SUSTAINABILITY – OUR PASSPORT FOR THE FUTURE

ABSTRACT

This presentation will give an overview and a clear understanding of global sustainability as well as the urgent need and the importance of necessary paradigm changes in all kind of human life.

In the last 100 years the economy was driven by growth and innovation optimism. Inventers and researcher, of course, did not know where all the developments finally would end up. However, the playground was so big and discoveries have been so interesting and fascinating that the developments process was self-running and could not be stopped or redirected. An extrapolation of this process will sooner or later end up being mortal because necessary resources are not available anymore to feed such a process.

We have now fully arrived into the 21st century. The world today is already very much different from the one from in the recent past 20 or even 50 years ago. We have generated, for many people, overwhelming prosperity in many countries, which no one even dreamed about 100 years ago.

The industrialization and joint fast growing global population has led to a point that the human race does occupy nearly all livable land on this planet and utilizes resources even from a last tiny corner of earth.

A big mistake was that consequences for health and environment unfortunately have not been in the focus for a long period of time. If we and our following generations still want to enjoy life on our planet, a huge process of change is ahead of us. Never ever before in history have humans faced such an awesome task.

I will review the evolution process of the megatrend sustainability from its beginning up to its mindset of today; what have been enablers, what – unfortunately – have been preventers during the industrialization process of the past 150 years, and what have been major milestones on the path to our current understanding of sustainable development.

Based on this I will point out important challenges for our planet and our life. I will review guiding principles and rules which have been identified as being required for necessary paradigm shifts in all levels of our day-to-day life: from a global economic and political point of view, from a company perspective as well as for each of us as an individual. In conclusion, I will briefly give my view on the positioning of the leather industry and comment on key items I believe our industry has to focus on.

COUNCIL CONFERENCE CALL MINUTES
AMERICAN LEATHER CHEMISTS ASSOCIATION
SPRING COUNCIL MEETING
MARCH 16, 2015
10 AM EASTERN/9 AM CENTRAL STANDARD TIME

Present

Officers: Sarah Drayna, David Peters

Council Members: Gary Rennerfeldt, Andy Rhein,
Beat Schelling

Convention Chair: Doug Morrison

Executive Secretary: Carol Adcock

1. Welcome

President Sarah Drayna opened the meeting and thanked everyone for joining the call. It was confirmed that a quorum was present.

2. Convention Status Update

2015 Annual Meeting

Update and Overall Schedule

Doug Morrison, Convention Chair, reported that the convention would be held at Pinehurst Resort in the Village of Pinehurst, NC, June 10 – 13. Plans for the convention are well underway. There will be two room rates this year depending on whether you stay at the Carolina or Holly Inn. Rates are as follows:

Package Rate for the nights of June 10, 11 and 12

Carolina Single: \$1234.50 per guest, per package
 Double: \$857.84 per guest, per package

Holly Inn Single: \$1042.54 per guest, per package
 Double: \$760.05 per guest, per pack

Rates include service charge and taxes; meals included in the package start with lunch on June 10.

We already have an \$8570.38 credit on the convention from the 2013 convention attrition plus we have sent in an additional deposit of \$5,000.

The registration fee for those staying at the designated hotel will remain the same as last year. The cost for all those staying at another facility will be the regular registration fee plus the

meal plan for the three days of the convention. Accompanying guests not staying at the designated hotel will have to pay a fee for joining the group for meals. Our website, www.leatherchemists.org, has been updated with all details for the convention with the exception of the convention brochure.

Mr. Morrison reviewed the overall schedule for the convention that had previously been emailed to Council. It was decided to omit the technical committee lunch meeting on Wednesday, but they will meet as needed.

Technical Program

David Peters reported that he had approximately 19 speakers with two more pending. He is hoping to have an Automotive Panel Discussion. He outlined those he expects to give presentations and the topic they would be giving. Several suggestions were made about additional speakers, which Mr. Peters will contact. It was suggested that we needed a more aggressive publicity campaign to let people in the US know about the convention since there is basically nothing like it in the US at this time.

Wilson Lecture

The Wilson lecture is on schedule with Dr. Dietrich Tegtmeier of LANXESS giving the presentation. The title of his presentation is "Sustainability – Our Passport for the Future." His bio and photo as well as a brief description of his presentation are on our website and will be published in the April issue of the Journal.

Financial Campaign

Since there is no Convention Vice Chair in place, Ms. Drayna has begun contacting sponsors. She already has commitments from Dow, LANXESS and Tyson, and is off to a good start. The prospects will be divided up among the Council members for contacting. There will still be the three levels of sponsorships, namely, Gold, Silver and Bronze as in the past several years. There is still a need to have a Convention Vice Chair for next year. She solicited nominations from the Council.

Alsop Award

The recipient of the award was previously approved by Council and will be notified to seek attendance at the convention.

O’Flaherty Award

The selection committee is in the process of deciding on a candidate. When a candidate is decided upon, Council approval will be sought.

AV Coordinator

Doug Morrison, Convention Chair, will check with Khorshed Alam to see if he is able to be the Coordinator for the technical sessions.

2016 Convention Update:

Doug Morrison reported that the 2016 site will be Oglebay Resort, June 22-25. Two deposits are due, namely \$2500 due June 21, 2015 and \$2500 due December 21, 2015. There are three different rates depending on the type of room desired. The rates will be as follows:

Single	Intermediate: \$302.25 Deluxe: \$326.27 Premium: \$358.26
Double	Intermediate: \$216 Deluxe: \$228 Premium: \$244 – all per person per night

The schedule for the 2016 convention will be similar to the last time at Oglebay, which was in 2009. Room assignments have already been made. The plans for the convention are well underway.

3. Financial Reports

Council had previously been emailed the financial statements for 2014 and the Performance vs. 2014 Budget report. The reports showed a loss for the year 2014 of \$24,039 which was higher than the anticipated loss of \$11,685 reflected on the approved 2014 budget. Income in most areas was a little lower than anticipated, however the main reason for the loss was attributable to the investment account. After review of all financials for 2014, it was felt that the Association is in sound financial position. A financial analysis is being performed on the 2014 books. The auditor’s letter will be emailed to Council and then attached to these minutes.

Motion was made and carried to accept the 2014 financial reports.

Executive Secretary Carol Adcock reviewed the Membership Report and Breakdown as of March 11. There are a total of 338 members at the present time including SLTC members participating in the Journal exchange.

Ms. Adcock also reported that final notices for dues and subscriptions have gone out. A list of unpaid dues was also reviewed. Several members of Council volunteered to contact unpaid members. All will be dropped from the Association per the by-laws as of April 1.

Mrs. Adcock reported that 8 advertisers committed for 2015 journal advertising, with all being paid.

4. Technical Committee Report

Beat Schelling, Chair of the Sustainability Committee, reported that he is struggling on how to set up the committee. He asked for help from Council in the form of possibly a co-chair of the committee. Ms. Drayna suggested a conference call prior to the convention with Mr. Schelling, David Peters, Steve Lange and herself to formulate ideas to bring to Council at their meeting at the convention.

Various subcommittees have been set up which has specific duties. Steve Lange is working on the RSL list and hopefully will give a presentation about the convention about it. The Education Subcommittee has two new graduates. Mr. Schelling will talk to Mr. Lange about the progress of merging the course with the University of Cincinnati. The Research Liaison Subcommittee has scheduled a meeting at the USDA, ERRC for Thursday, April 23. The Methods and Specifications Subcommittee has been advertising in the *Journal* about the Randall Rowles Memorial Scholarship. Applications are due by May 1, with one already being turned in.

5. Editor’s Report

Robert White submitted the following written report: March 2, 2015

Dear ALCA Officers and Councilors:

Comparative manuscripts activity during the most recent 6-month period (September through February) was:

	<u>Received</u>	<u>Rejected</u>	<u>Approved</u>	<u>In process</u>
2015	41	16	9	16
2014	36	10	16	10
2013	34	10	14	10

New manuscript submissions increased during this period and included new submissions from new authors of major global laboratories. The higher rejection rate suggests this offered an opportunity to be more selective and further improve the quality of the manuscripts offered in our *Journal*. I am now scheduling approved manuscripts for the June 2015 issue. This is about the same scheduling lead-time as last year. This editor is most thankful for the high quality reviews provided by our now international Editorial Board. I am looking for a few additional EB members with biology, collagen and wet end expertise in order to better balance the reviewer workload.

Our recent *Journal* page count is running slightly lower than last year, suggesting that we will stay within our budget. Our publishing resource, KSA&D, continues to be reliable on

assuring the uploading of our *e-Journal* on the first day of each month. I “lost” the last 10 days of February because a virus/Trojan infection took down this editor’s ALCA MacBook Pro laptop. It took several days for a Microsoft outside contractor to get this unsettling mess fixed. I was able to reconstruct the key files that were lost.

Respectfully submitted,
Robert F. White
Journal Editor

Council reviewed the Editor’s report. Motion was made, seconded and passed to accept the Editor’s Report as written.

6. Other Committee Report Ways and Means Committee

Chair of the committee, Andy Rhein, submitted the following written report:

As of March 12, 2015 our Portfolio was valued at \$ 224,380. For the year, the Portfolio value increased by \$3,058, even though the net contribution for the year was (\$2,687).

The following represents the present Asset Allocation:

Cash	\$1,723	0.80%
Fixed Income	\$47,697	21.30%
Equities	\$147,599	65.80%
Alternative	\$13,125	5.80%
Other	\$14,236	6.30%
<hr/>		
Total	\$224,380	100.0%

Respectfully submitted,
Andreas Rhein

Mr. Rhein said the investment account was still in good hands with Greg Cannon of Morgan Stanley and the work he does on it. Motion was made and carried to accept the Ways and Means Committee Report.

Nominating Committee

The 2015 Nominating Committee submitted a Slate of Candidates, which was approved by Council. The 2015 Slate of Candidates will be as follows:

Councilors: Michael Bley, Eagle Ottawa LLC
Jeffrey D. Miller, GST AutoLeather, Inc.
David L. Powell, Chemtan Co.
John Rodden, Union Specialties

There was no need for a candidate for the office of Vice President Elect with the elimination of the position due to the new tenures set in the bylaw revisions passed in December of 2013. The 2015 Nominating Committee chaired by Steve Lange with Mike Bley and John Rodden were thanked for their services. The election will commence April 13 using electionbuddy.com. Ballots are due no later than midnight on June 1, 2015.

7. Old Business

Ms. Drayna reported that she is still working on banner ads for the *Journal*. She obtained pricing from one firm but felt it was too expensive. She will continue to pursue this issue.

8. New Business

The IULTCS Merit Award guidelines were reviewed by Council.

9. Next Council Meeting

The next Council meeting will be on Wednesday, June 10, at Pinehurst Resort at 8:00 am. The meeting will include the hotel staff at the beginning of the meeting. Council was reminded that they would probably need to arrive on the 9th of June in order to participate in the meeting. The old and new Council will meet on Friday, June 12, at Pinehurst for a breakfast meeting from 7 – 7:45 am to introduce the new members of Council and briefly discuss the convention.

Ms. Drayna reminded Council to let Mr. Peters know when they were available to moderate sessions at the convention. She also asked Council to send in suggestions for a Convention Vice chair and to help with the financial campaign of the convention.

There being no further business, the meeting was adjourned.

Respectfully submitted,
Carol Adcock, Executive Secretary

SCOTT NORTHAM, CPA
1302 58TH PLACE
LUBBOCK, TX 79412
PHONE (806) 535-7409

**INDEPENDENT ACCOUNTANTS REPORT
ON APPLYING AGREED-UPON PROCEDURES**

American Leather Chemists Association
1314 50th Street, Suite 103
Lubbock, TX 79412

I have performed the procedures enumerated below, which were agreed to by American Leather Chemists Association (ALCA), solely to assist you in evaluating the revenue and expense transactions of the Organization for the fiscal year ended December 31, 2014. ALCA's management is responsible for the presentation of the revenue and expense transactions. This agreed-upon procedures engagement was conducted in accordance with standards established by the American Institute of Certified Public Accountants. The sufficiency of these procedures is solely the responsibility of those parties specified in this report. Consequently, I make no representation regarding the sufficiency of the procedures described below either for the purpose for which this report has been requested or for any other purpose.

I examined the detailed general ledger and a representative sample of the revenue and expense transactions and the related underlying supporting documentation for the organization for the fiscal year ended December 31, 2014 for the purpose of determining whether the documentation presented properly supported the revenue and expense transactions and were properly categorized within the financial records. I found no significant exceptions within the revenue and expense transactions tested.

I was not engaged to conduct, and did not conduct, an examination, the objective of which would be the expression of an opinion on the financial statements of the Organization. Accordingly, I do not express such an opinion. Had I performed additional procedures, other matters might have come to my attention that would have been reported to you.

This report is intended solely for the information and use of by the directors and management of American Leather Chemists Association and is not intended to be and should not be used by anyone other than those specified parties.

SCOTT NORTHAM, CPA
Lubbock, Texas
March 19, 2015

Few people realize that Leather Making is the world's oldest manufacturing process, thus the world's oldest industry. Tanning—the process of converting hides and skins into leather—is also the world's first science.

Also, because of the pure craftsmanship involved, tanning may well be the world's first art form.

Generations.
Let's make the next better.
It's your turn now.

Our **waterbased polyurethane technology** offers a safer, more environmentally friendly solution to your high-performance coatings requirements.
Contact us today for all the details.

UNION
Specialties, Inc.

In Union, there is strength.

Three Malcolm Hoyt Drive
Newburyport, Massachusetts 01950 • U.S.A.
Certified to ISO 9001:2008
(978) 465-1717 • Fax: (978) 465-4194
E-mail: union@unionspecialtiesinc.com
www.unionspecialtiesinc.com

Anyone who doubts that a sheepskin has up to 30,000 fibers per square inch has only to count them.

NOTHING TAKES THE PLACE OF LEATHER

INDEX TO ADVERTISERS

ALCA Annual Meeting.....	Inside Back Cover
ALCA Information.....	IV
Biosk	II
Biosk	VI
Buckman Laboratories	Inside Front Cover
Chemtan	III
Chemtan	Back Cover
Stahl	VII
Erretre	V
Union Specialties, Inc.	VIII