
LIFE LINES

Domenico Castiello, see *JALCA* **100**, 45, 2005

Monica Puccini graduated in Chemical Engineering with maximum votes at the University of Pisa, Italy, in 2005 and in 2006 she started a three year Ph.D. thesis in the Department of Chemical Engineering, Industrial Chemistry and Materials Science of the University of Pisa. This research and development pursued innovative tanning processes and the recovery of valuable products from the leather production wastes.

M. Seggiani, see *JALCA* **98**, 123, 2003

Sandra Vitolo, see *JALCA* **102**(11), 2007

Francesco Zammori graduated cum laude in 2004 in Engineering from the University of Pisa, Italy. He then continued with research studies in maintenance and logistics; starting PhD studies in industrial engineering at the University of Pisa in 2006. He has also been involved in technical projects

involving Lean Production and Total Productive Maintenance implementation plans, with some of his work being published in international journals and conference proceedings.

Anthony D. Covington, see *JALCA* **91**, 21, 1996

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

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

S. Saravanabhavan, see *JALCA* **101**, 192, 2006

J. Kanagaraj, see *JALCA* **95**, 368, 2000

Sanjeev Gupta, see *JALCA* **96**, 151, 2001

Geetha Baskar, see *JALCA* **86**, 159, 1991

B. S. R. Reddy, information not available.

COUNCIL MEETING MINUTES

AMERICAN LEATHER CHEMISTS ASSOCIATION

OCTOBER 8, 2007

Present: Officers: William Marmer,
Steve Yanek,
David LeBlanc

Council Members: Eleanor Brown,
Robert J. Harvey,
Steve Lange,
Jeff Miller

Executive Secretary: Carol Adcock

2008 Convention Chair: Doug Morrison

1. Welcome. President William N. Marmer called the meeting to order. A special welcome was given to new VP Elect, David LeBlanc, and new councilors, Steve Lange and Jeff Miller.

2. Technical Committee Reports - David LeBlanc.

Mr. LeBlanc has contacted all technical committee chairs since he became VP Elect for the Association. None of the committees has met since the Annual Convention in June. He made the following reports for various committees:

Committee on Methods and Specifications, Lori Hyllengren, Chair

The ASTM D31 sub-committee will meet this week on Thursday and Friday. Lori will submit a written report after that meeting.

Education Committee, Robert Dudley, Chair

Mr. LeBlanc met with Chair Dudley prior to this council meeting. Dr. Dudley reported that four diplomas had been given out this year for the Correspondence Course. Areas that the committee is still exploring are getting the course online and translating the course into Spanish. Ricardo Lira has volunteered to help with translating the course. Dr. Dudley will be responsible for getting a quote for translating the course while Steve Yanek volunteered to get a quote for digitizing the course and Dave will see if the LIA has a similar course.

Council would like the committee to investigate the need for translating the course into Spanish. This will be considered again at the next council meeting.

Rawstock Committee, Ed Godsalue, Chair

Mr. Godsalue will stay on as chair of the committee.

Research Liaison Committee, Dean Didato, Chair

The next meeting of the RLC will be held April 29 and 30, 2008 as a joint meeting with the Rawstock Committee. It will be held at the USDA, ARS, Eastern Regional Research Center, Wyndmoor, PA. Publicity about the meeting can be put in

JALCA. It was also suggested that the RLC prepare a meeting notice to send to targeted groups who could enhance the membership of this joint meeting.

Uses of Collagen and Its Coproducts Committee, Eleanor Brown, Chair

Dr. Brown submitted the following written report, which she gave orally:

The purpose of this committee is to provide information about potential uses for hide byproducts. This is generally accomplished by inviting speakers to make presentations at the Annual meeting.

For the 2008 ALCA meeting, the committee will work with the technical program chair, Steve Yanek, to assure that one or more speakers will address this issue.

The committee solicits suggestions of knowledgeable speakers or exhibitors in areas of proteinaceous byproduct utilization from all ALCA members.

Motion was made, seconded and unanimously passed to accept the Technical Committee Report.

3. Ways & Means Committee Report - Dennis C. Shelly

Dr. Shelly submitted the following written report:

a. Investments

As of August 31, 2007 our portfolio value was \$230,469. Income since June 1, 2007 was \$3,342, over 3 months put our monthly income at \$1114. As regards activity, no stocks or bonds were sold or bought since our last report (June 2007). Our portfolio value is about \$6,000 less than in June due to market corrections over the past three months. Very recent developments would suggest that our portfolio value will soon recover to its post correction high.

b. Advertising and Sponsorships

Preparations for the second Annual Financial Campaign for program year 2008 need to be started, as regards advertising and sponsorships. Last year we streamlined solicitations to our supporting companies into one campaign for journal advertising, convention sponsorship and program advertising, and membership directory advertising.

c. Membership Campaign

Our recruiting brochure has been updated. A member retention effort will be initiated by mailing these brochures with the 2008 dues renewal invoices this month.

Council discussed the Annual Financial Campaign. It was felt that it should be done again for program year 2008. Last year the VP Elect and Convention Vice Chair, Steve Yanek, conducted the new campaign. It was decided that this new campaign of the Association would be added to the job description of the VP Elect. The VP Elect will send out the original packet to solicit companies for support with journal advertising, convention sponsorships and program advertising, and membership directory advertising. This campaign needs to be done in late October or early November of each year. Follow up for the convention items will be done by the Convention Vice Chair in mid March of next year.

Council discussed the Association's investment account with Smith Barney. Motion was made, seconded and unanimously passed to add the Executive Secretary, Carol Adcock, to the Smith Barney account as a co-authority for portfolio changes.

Motion was made, seconded and unanimously passed to accept the Ways & Means Committee Report.

4. Financial Reports - Carol Adcock

Council reviewed the Profit and Loss Statement and Balance Sheet through September 30, 2007 as well as a Budget vs. Actual report through the same time period. The accounts receivable were also reviewed, noting that one account from the convention was still outstanding and the rest were for directory advertising.

The Membership Breakdown as of this date as well as a dues and subscriptions breakdown for 2008 was handed out and reflected the following:

272 Active, 40 Active Life, 3 Active Life Mutual, 14 Active Life Retired, 27 Active Mutual, 35 Active Retired, 2 Students, and 40 SLTC, for a total of 433 members. Out of the above membership, dues are collected from 303 paying members, excluding the dues

that will be collected from the SLTC members. There are 109 subscriptions that will be invoiced for renewal in 2008.

The Council reviewed the Income and Expenses from the XXIX IULTCS Congress/103rd ALCA Annual Meeting. A net profit of \$26,939.93 was realized. The Convention Committee chaired by Doug Tabor was commended for its excellent job in handling both the income and expenses for this convention. The attendance as well as a recap of the John Arthur Wilson Memorial Lecture expenses was reviewed.

A rough draft of the 2008 Budget was reviewed. Council asked the Executive Secretary to leave the room so her salary could be discussed. Council voted to increase the salary of Mrs. Adcock by \$1,100 for the 2008 calendar year and to give her a \$500 bonus in her December, 2007 paycheck. A deficit of almost \$17,000 in the 2008 budget was noted. Council felt that with the exceptional profit on the 2007 Annual Meeting, there would be enough funds to offset the projected deficit for 2008. Thus, Council then approved the attached 2008 Budget.

Motion was made, seconded and passed to accept the Financial Reports as submitted.

Discussion followed regarding dues for 2009. Mrs. Adcock was asked to email the Council the number of domestic versus foreign members in the Association. Discussion will continue at the next council meeting regarding this issue.

There being no further business, Council adjourned until the next morning when it will meet at the Seton Corporate Offices in Norristown, PA.

Respectfully submitted,
Carol Adcock, Executive Secretary

THE AMERICAN LEATHER CHEMISTS ASSOCIATION

2008 BUDGET

APPROVED OCTOBER 10, 2007

Income:

Advertising	\$33,000.00	
Copyright Income	750.00	
Correspondence Course	1,500.00	
Dues	37,000.00	
Postage & Handling	5,500.00	
Reprints/Articles	600.00	
Subscriptions	16,500.00	
Exhibitors	50.00	
Registration	27,000.00	
Sponsor	15,750.00	
Interest	7,200.00	
Dividend	5,500.00	
Total Income		\$150,350.00

Expenses:

Bank Wire fee	500.00	
Bank Service Charges	100.00	
Copyright	540.00	
Communication Expenses		
Website	500.00	
Fax	575.00	
Telephone	700.00	
Credit Card Processing Fees	2,000.00	
Discounts Given	3,200.00	
Dues & Subscriptions	920.00	
Insurance Expense		
Businessowners Coverage	500.00	
Employee Dishonesty	306.00	
Worker's Compensation	289.00	
License, Fees, and Permits	25.00	
Office Expenses: Supplies	1,500.00	
Office Expenses: Postage	9,000.00	
Office Expenses: Printing & Reproduction	40,000.00	
Office Expenses: Rent	6,000.00	
Payroll Expenses		
Gross Wages	38,700.00	
FICA	2,399.40	
Medicare	561.15	
Professional Fees		
Accounting	6,850.00	
Editor	13,200.00	
Meetings	2,000.00	
Membership Development	36,300.00	
Rowles Scholarship Fund	500.00	
Total Expenses		\$167,165.55
NET INCOME/LOSS		(\$16,815.55)

COUNCIL MEETING MINUTES

AMERICAN LEATHER CHEMISTS ASSOCIATION

OCTOBER 9, 2007

Present: Officers: William Marmer,
Steve Yanek,
David LeBlanc

Council Members: Eleanor Brown,
Robert J. Harvey,
Steve Lange,
Jeff Miller

Executive Secretary: Carol Adcock

2008 Convention Chair: Doug Morrison

Editor: Robert F. White

1. Welcome. President William N. Marmer called the meeting to order and encouraged the new members of Council to participate.

2. Minutes. The minutes of the June 20 and 24, 2007 meetings were previously approved electronically.

3. Journal Advertising. Ways to encourage journal advertising were discussed. The Ways & Means Committee is the main route for increasing advertising exposure and soliciting advertising dollars. It was felt that a list of benefits should be prepared to send out to prospective advertisers. Mrs. Adcock reported that a one page flyer promoting the journal had been prepared several years ago and that it might be a start for a new updated flyer.

4. 2008 Annual Meeting Plans - Doug Morrison submitted handouts for the Council that included a comparison of room rates for Grandover Resort, Oglebay, Skytop Lodge and Grand Traverse as well as the final contract with Grandover Resort for 2008. Mr. Morrison will be visiting Grandover later in the month and will make final arrangements regarding the locations of all events and a possible Casino Night. It was suggested that a leather gift for each attendee would be appropriate. The Convention Chair will be the only person with authority to add expenses to the master bill. Mr. Morrison will make sure that the hotel is aware of this. Sponsorship levels will be the same as 2006, namely, gold for \$1,000, silver for \$750 and bronze for \$500.

The registration fee was discussed, and it was felt that it should stay the same as the 2006 Annual Meeting.

Motion was made, seconded and passed to appoint Susan Steele as Social Activities Coordinator for 2008. Suggestions were made for a Sports Activities Coordinator. It was felt that someone from the Greensboro area would be best. Mr. Morrison will see if someone in that area is willing to serve in that capacity. A rough draft for the Convention Budget for 2008 was handed out. A few revisions needed to be made so Council will approve this budget at a later time.

The Wilson Lecture is on target with a picture and bio of Bi Shi already on the Association's website. The website has the current information on the convention and will be updated as more details are confirmed.

Mr. Morrison was asked to check with Grandover about the cost of having one of their personnel run the AV equipment. If it is too expensive, a line item will be put into the 2008 Convention Budget to invite Nick Latona to attend and perform such duties.

5. 2009 Annual Meeting Plans - Doug Morrison handed out a proposal from Oglebay which described the property, activities, area attractions, and room rates. Mr. Morrison pointed out that Oglebay had done an extensive renovation since our last Annual Meeting there in 2000. He will visit the site personally to see the new renovations.

Mr. Morrison polled Council after the meeting as to their desire for a three or four day format for the 2009 convention. Council voted to have the four day format at Oglebay for 2009 since the room rates are so reasonable. The dates for the 2009 convention will be June 18-21. The closest airport to Oglebay is Pittsburgh, PA.

6. Editor's Report - Bob White summarized the following written report that was earlier submitted by email:

Dear ALCA Officers and Councilors:

Again this summer there was the usual surge of manuscript activity - intensified by the greater number of Technical Note category papers generated by the XXIX Congress/103rd annual meeting.

I have approved manuscripts scheduled through the March 2008 issue of the *Journal*. These issues include a mix of manuscripts initially submitted in 2006 and 2007 as well as 13 Technical Notes from the June presentations in Washington, DC.

We started this year with a carryover of 38 manuscripts that were or have since been approved. These have already been published or are in the issue schedule.

Here are the numbers for 2007 YTD:

Manuscripts received	63
(46 Technical Papers and 17 Technical Notes)	
Rejected	27
(4 went back to authors for "second chance")	
Approved for publication	20
In process	16
(9 with EB reviewers, 6 with Authors)	

The number of submissions and the rejection rates are similar to last year (in 2006 we received 81 manuscripts with 32 rejected). The geographic mix of submissions suggests the paradigm shift to a higher proportion of regularly *contributing* authors from Asian countries is leveling out.

The new design/print systems implemented with KSA&D about one year ago has been running smoothly and I believe we have made progress in elimination the occasional errata. I estimate the Journal may have about 10% fewer pages than last year. Some issues do not have Abstracts (Chemical) and the August Wilson Lecture paper was much shorter this year. The *Journal* costs seem to be on budget. My logged editor work hours for the first nine months of 2007 averaged 28 per month, compared to an averaged of 33 hours per month for the last six months of 2006.

With the addition of George Stockman, Buckman Laboratories, Inc., and Edwin Nungesser, Rohm and Haas Company, the Editorial Board (EB) now has fourteen reviewers'. The Editorial Board (EB) continues to provide the high quality and timely peer reviews essential to the existence if the *Journal*. It has been difficult to balance the EB workload because a disproportionate number of submissions involve the early stages of leather processing (i.e. unhairing and enzyme biochemistry) or waste utilization. I have recently increased my rejections of "marginal" waste utilization papers to comply with the June EB recommendations on content balance. Mr. Jorge Lisnevsky and Mr. David Rabinovich continued to find a ways to overcome their computer crashes and provide timely Spanish translations of the manuscript abstracts.

In response to Council's request, I have started, with Dennis Shelly, investigating professional publishing house resources as possible alternatives for managing our *Journal* publishing requirements. At the time of this report, this project is still in its early stages of study. The status of the latest findings will be provided to the Council president prior to the fall Council meeting.

Mr. White reviewed the process for approving manuscripts for publication in the journal.

Council then reviewed professional publishing options. Mr. White handed out a Professional Publisher Link for JALCA indicating possible advantages and disadvantages as well as contacts summary notes. Council felt that phase one of the process should include getting quotes from several companies which Mr. White and Dr. Dennis Shelly will pursue. Phase two should include an internal presentation to Council at the next council meeting or sooner. Phase three will be the refinement period. Mr. White will be in charge of this project and summarize the costs and benefits of using a professional publishing company.

Motion was made, seconded and unanimously passed to accept the Editor's Report.

7. Old Business

Alsop Selection Committee Report

The committee submitted a written report which indicated they were reviewing three people and would have a recommendation for Council no later than December 1.

O'Flaberty Selection Committee Report

The committee had several candidates they were reviewing. They will have their recommendation for Council before the end of this year.

Nominating Committee Report

The Nominating Committee has been working on their slate of candidates and submitted a potential list of candidates. Council reviewed the list and made a list of approved candidates to ask to serve. The Nominating Committee now will be asked to contact those approved and see if they will run.

After discussion, a motion was made, seconded and unanimously approved that future Nominating Committees should be made up of three past presidents of the Association, with the senior past president as chair of the committee.

Website Security for Online Payments

To insure that online payments are secure, Mrs. Adcock had investigated both using Paypal as well as having the Association's current server, ERF Wireless Bundled Services, make modifications to the website for secure online payments. The cost of the latter would be \$425 and would include validating form contents, adding anti-spam methodologies, programming a lock and key form submission, and a 2 year SSL purchase and installation. Council instructed Mrs. Adcock to proceed with having ERF secure the website for online payments.

New Bank Account for the Association

Mrs. Adcock reported that she had opened a new account for the Association in Lubbock, TX at Wells Fargo Bank. She is also in the process of switching over the credit card processing to Wells Fargo. All renewal invoices for dues and subscriptions for 2009 will have the new bank's information for wiring payments. She will continue to pursue obtaining a credit card for the Association.

The next meeting of Council will be March 3 and 4, 2008 at the TFL corporate offices in The Woodlands, TX. Mr. LeBlanc will seek approval to host the meeting and obtain information on nearby hotels.

There being no further business, the meeting was adjourned.

Respectfully submitted,
Carol Adcock, Executive Secretary

ABSTRACTS

The following abstracts have been copyrighted by Chemical Abstracts (CA) and are reprinted with permission of the American Chemical Society. Photocopies or loans of most documents cited in these abstracts are available from the Chemical Abstracts Service (CAS) Document Delivery Service. For more information, write to: CAS Document Delivery Service, P.O. Box 3012, Columbus, Ohio 43210-0012, U.S.A. The phone number for this service is (800) 848-6538 extension 2956. There is a charge for this service.

Sustainable management of waste-reduction of the chromium content of tannery solid waste as a step in the cleaner production of gelatin. Catalina, M.; Antunes, A. P. M.; Attenburrow, G.; Cot, J.; Covington, A. D.; Phillips, P. S. School of Applied Sciences, University of Northampton, Northampton, UK. *Journal of Solid Waste Technology and Management*, 2007, 33(1), 43-50. Publisher: University of Pennsylvania and the Widener University School of Engineering, ISSN: 1088-1697. AN 2007:1189862. Treatment of chrome shavings, a solid waste from the leather industry, by reducing its chromium content was investigated to det. whether it could be used in the prodn. of high value-added products like gelatin. An oxidative dechroming process was used to remove the chromium from the shavings achieving a dechroming ratio of 96%. Thermal behavior of chrome shavings with different chromium content was studied using DSC anal., revealing that chromium is responsible for imparting stability to the collagen fibers. Gelatin, with different chem. and mech. properties, was obtained by thermal and chem. hydrolysis of the collagen fibers using different alk. hydrolytic agents, such as sodium hydroxide (NaOH) and ammonia (NH₃). The denaturation temp. (TD) of the gelatins was found to be 30C and 62C for NaOH and NH₃-derived gelatins, resp. The effect of the chromium content on the phys. and thermal properties of gelatin was also investigated, confirming the stabilizing role of chromium in the fibers. Gelatin can be used in applications such as encapsulation, binding, adhesive prodn., film forming or finishing agent in the paper, wood, ink, textile and leather industries. Therefore, this treatment can add value by using a cleaner prodn. pathway to a valuable product extd. from what was previously hazardous waste.

Tanning method based on organic phosphine tanning process and using collagen. Wu, Huachun; Cai, Jianshe; Hu, Bin; Jia, Jizhang. (Jinjiang Xingye Leather Co., Ltd., Peop. Rep. China). *Faming Zhuanli Shenqing Gongkai Shuomingshu*, 2007, 8pp. CN 101050477 A 20071010 Patent written in Chinese. CN 1009-9423 20070521. AN 2007:1159389. The title tanning method comprises sequentially rotating leather to be treated in water 80% (by wt. of leather subjected to liming process), formic acid 0.7%, and sulfuric acid 0.8%, adding aldehyde tanning agent (formaldehyde, glyoxal, glutaraldehyde, or their modified substances) 0.5-1%, rotating for 30 min, adding tetrahydroxymethylphosphonium salt (tetrahydroxymethyl phosphonium sulfate, tetrahydroxymethylphosphonium chloride, or their modified substances) 1-3%, rotating for 2-3 h, adding sodium bicarbonate 1.2-1.4% which is dild. with water by

20 times for adjusting pH to 4.0-4.5, rotating for 60 min, adding collagen (degrdn. product of animal leather or bone) 1-3% by dry wt., rotating for 60 min, adding 60C water 80%, rotating for 60 min, and standing overnight. The inventive method can increase shrinkage temp. of leather, reduce aldehyde content in tanned leather, and replace chromic tanning process, and is environment friendly.

Method and a system for evaluating tactile sensation of car seat covers using an artificial neural network and statistical regression model. Noh, Jung Gyun; Jeong, Ki Youn; Kim, Joo Yong; Park, Baek Soung. (Hyundai Motor Company, S. Korea). Repub. Korean Kongkae Taeho Kongbo (2007), KR 2007041806 A 20070420 Patent written in Korean. KR 2005-97296 20051017. AN 2007:1158907. A method and a system for evaluating tactile sensation of car seat covers using an artificial neural network are provided to quantitatively evaluate tactile sensation of the seat covers by detecting feature factors affecting the tactile sensation of the seat covers, and using a regression model statistically analyzing relation between the tactile sensation and the detected feature factors, and an artificial neural network model. A discriminator(101) discriminates the seat cover into leather and cloth. A calculator(102) calculates dynamical, thermal, and biological feature factors of the seat cover. An evaluator(103) quantitatively evaluates the soft, elastic, sticky, cool, and terminal/humid sensation of the leather from the calculated feature factors, and quantitatively evaluates the soft, elastic, voluminous, smooth, cool, and thermal/humid sensation of the cloth from the calculated feature factors by using the statistical regression model. A tool(106) quantitatively evaluates the high class or sporty tactile sensation from evaluated tactile sensation values with division of a male and a female by using an MLP(Multi-Layer Perceptron) artificial neural network model.

Industrial applications of keratins - a review. Karthikeyan, R.; Balaji, S.; Sehgal, P. K. Bio Products Laboratory, Central Leather Research Institute, Chennai, India. *Journal of Scientific & Industrial Research* 2007, 66(9), 710-715. Publisher: National Institute of Science Communication and Information Resources, ISSN: 0022-4456. AN 2007:1157477. Keratin, a fibrous protein forming main structural constituent of feather, hair, wool, horn, hoof etc., is abundantly available as a byproduct from poultry, slaughterhouse, tanning and fur processing industry. Keratins though find applications in food, pharmaceutical, cosmetic and fertilizer industry, considerable amt. of these products is wasted repeatedly. Keratins are difficult to degrdn. and their disposal leads to environmental problems. Research is being done globally to utilize these wastes. Keratin hydrolyzates find potential application in leather tanning industry.

Radiation induced decontamination of Cr(VI), Cu(II) and phenol in some tannery effluents. Khan, Hasan M.; Mahmood, Abdul. Radiation Chemistry Laboratory, National Centre of Excellence in Physical Chemistry, University of Peshawar, Peshawar, Pak. *Nuclear Science and Techniques* 2007,

18(4), 212-217. Publisher: Science Press, ISSN: 1001-8042. AN 2007:1157211. Industrialization has led to a no. of environmental problems, such as release of toxic metals and other toxic org. and inorg. compds. to the environment. Among all, the rapid expansion of leather related industries in Pakistan have resulted in considerable environmental problems and effluents from processing of both domestic and imported hides and skins have increased pollution to alarming levels. Some tannery effluents of Peshawar area investigated in the present study showed high concns. of Cr(VI) (2.7-12.6 mg/L), Cu(II) (2.6-11.4 mg/L) and phenol (0.1-4.2 mg/L). These contaminants are very toxic and must be removed from effluents before releasing into water bodies. A new technique of gamma irradiation has been investigated to decrease the load of COD and concns. of Cr(VI), Cu(II) and phenol assocd. with tannery effluents to the permitted values. It was obsd. that concn. of Cr(VI) in the effluents can be brought to the permitted level by applying radiation dose of 3 kGy. A radiation dose of 2.5 kGy was required to remove more than 95% of Cu(II) and 100 % degrdn. of phenol in tannery effluents could be achieved by only one kGy of radiation dose.

Contribution to the characterization of a new tanning organic material. Gaidau, Carmen; Chitanu, Gabrielle Charlotte; Marculescu, Bogdan; Jitaru, Ioana. Leather and Footwear Research Inst., Bucharest, Rom. *Revista de Chimie* (Bucharest, Romania) **2007**, 58(8), 768-772. ISSN: 0034-7752. AN 2007:1129079. The synthesis of new tanning materials and the advanced knowledge of their properties and their interaction with collagen of hide are of major importance for the improving of ecol. leather processing. In this respect we have obtained and characterized a new org. tanning material based on methylolated protein condensate and we have examd. the properties of leather tanned with this material. The condensate was characterized by chem. anal. and dynamic light scattering in aq. soln. The behavior of leather tanned with the condensate has been studied using differential scanning calorimetry, FT-IR spectroscopy, and physico-chem. analyses.

Epoxide-based tannage system in leather processing and mineral and aldehyde-free white leather. Booth, Stuart; Heath, Richard; Di, Ying. BLC Leather Technology Centre, UK; University of Loughborough; PCT Int. Appl. (2007), 27pp. WO 2007110666 A1 20071004 Patent written in English. WO 2007-GB50154 20070326. GB 2006-5895 20060327. AN 2007:1116499. Patent WO 200711066. Leather is prepd. by tanning animal skins with a poly(glycidylamine) such as triglycidyl isocyanurate. After retanning with vegetable tannins,

it is possible to obtain both a mineral-free and aldehyde-free white leather having $T_s > 85^\circ$ and suitable for automotive internal trim and a mineral-free and aldehyde-free high thermal stable org. leather having $T_s > 100^\circ$ degrees and suitable for shoe production.

Matrix effect in second-order data. Determination of dyes in a tanning process using vegetable tanning agents. Gomez, V.; Cuadros, R.; Ruisanchez, I.; Callao, M. P. Analytical and Organic Chemistry Department, Rovira i Virgili University Marcel li Domingo, Tarragona, Spain. *Analytica Chimica Acta* **2007**, 600(1-2), 233-239. ISSN: 0003-2670. AN 2007:1101764. The aim of this paper is to det. the concn. of three dyes throughout the tanning process of leather using vegetable tanning agents with a sequential injection analyzer with second-order data treatment. As the vegetable tanning agents used are highly absorbent species, we focus on three aspects: (i) difficulties with the resolu. (ii) the redn. in the working concn. range; and (iii) matrix effects. Ideally, second-order instruments provide "second-order advantage"; i.e. calibration is possible in the presence of uncalibrated interfering species. However, if the interfering species change the instrumental response of the analyte (in scale or shape), std. addns. must be used to ensure the accuracy of the estd. analyte concn. Here we study the presence of matrix effects for three dyes in several samples in order to significantly improve the accuracy of predictions in the presence of such effects. We found that there were matrix effects in at least 80% of the samples with an alpha risk of 5%. We used this method to study the exhaustion of dyes in the dyeing process.

Method for producing eco-friendly low-shrinking natural leather by using aldehyde-based tanning agent and vegetable-based retanning agent. Yun, Mi Jung; Jeong, Kie Youn; Hong, Jin Pyo; Baek, Ki Hyun. (Hyundai Motor Company, S. Korea; Cho Kwang Leather Co., Ltd.). Repub. Korea (2007), KR 706407 B1 20070410 Patent written in Korean. KR 2006-46144 20060523. AN 2007:1070397. A method for producing eco-friendly low-shrinking natural leather is provided to obtain natural leather useful for car interior materials and showing a low degree of shrinking/wrinkling under the application of heat or light. The method for producing eco-friendly low-shrinking natural leather comprises a prepn. step, an oil treating step, a dyeing step and a coating step. In the oil treating step, an aldehyde-based tanning agent is used in an amt. of 2-5 wt% based on the wt. of leather prepd. in the prepn. step. Addnl., in the dyeing step, a vegetable-based retanning agent is used in an amt. of 5-25 wt% based on the wt. of the oil-treated leather.

CALL FOR PAPERS FOR THE 104TH ANNUAL MEETING OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION JUNE 19-22, 2008

If you have recently completed or will shortly be completing research studies relevant to hide preservation, hide and leather defects, leather manufacturing technology, new product development, tannery equipment development, leather properties and specifications, tannery environmental management, or other related subjects, you are encouraged to present the results of this research at the next annual meeting of the Association to be held at the Grandover Resort and Convention Center, Greensboro, NC June 19-22, 2008.

Abstracts must be submitted by January 31, 2008 to the Chair of the Technical program:

Mr. Stephen S. Yanek

c/o Seton Company

30445 NORTHWESTERN HIGHWAY., SUITE 255

FARMINGTON HILLS, MI 48334

E-mail: Stephen.yanek@setonco.com

Each abstract should begin with the title in capital letters, followed by the authors' names. The name of the speaker should be denoted by an asterisk, and contact information should be provided that includes an e-mail address. The abstract should be no longer than 300 English words and preferably furnished as a Microsoft Word or Adobe PDF document.

Manuscripts based on the presentation, in publication-ready form, are expected by May 15, 2008. They should be sent in electronic format (either as an email attachment or on a CD-R) by that date to:

Robert F. White

Journal Editor

THE AMERICAN LEATHER CHEMISTS ASSOCIATION

1314 50TH STREET, SUITE 103

LUBBOCK, TEXAS 79412

E-mail: jalcaeditor@prodigy.net

Mobile phone (616) 540-2469

Presentation at the convention will be limited to 25 minutes. In accordance with the Association Bylaws, papers covering such presentations are to be submitted to the *Journal of the American Leather Chemists Association* for publication consideration. Those papers are not to be published elsewhere, other than in abstract form, without permission of the *Journal* Editor, Robert F. White.

AMERICAN LEATHER CHEMISTS ASSOCIATION 2008 MEETINGS OF THE RESEARCH LIAISON COMMITTEE AND THE RAWSTOCK COMMITTEE

USDA, ARS, EASTERN REGIONAL RESEARCH CENTER, WYNDMOOR, PA

Dates: Tuesday April 29th (beginning at 8:30 AM) - Wednesday April 30th, 2008 (finishing at 12 Noon)

The ALCA RLC, which liaises with the Fats, Oils and Animal Coproducts Research Unit of the USDA's Agricultural Research Service, serves a vital role to assist the USDA in aligning projects and research to meet industry needs.

The Research Liaison Committee meets twice a year, once in April at the USDA Eastern Regional Research Center and then during the ALCA annual convention in June to review industry trends and requirements. The RLC works in tandem with the ALCA Rawstock Committee to identify immediate and long term needs of the industry. Membership to both committees is open to those affiliated with leather manufacture.

Topics typically covered include:

- o A global update on issues pertaining to the hide & leather industry (USHSLA)
- o Reports from the Rawstock Committee - defects, processing issues, brand identification, contamination intervention on carcasses
- o Reports on research being conducted at Texas Tech University
- o Reports from ERRC from hides and leather program covering such areas as pretanning, physical properties of leather, alternative tannages, byproduct utilization and finishing, leather quality (UV resistance) and non-destructive testing.



For further information contact Dean Didato at (901)272-8408 or dtdidato@buckman.com