



ASCE®

American Society of Civil Engineers

SHREVEPORT BRANCH

October 2006 Issue

President's Message

**By Elba Hamilton, EI,
President**

After a long summer break, it was good to see many of you at our joint ASCE/LES meeting last month. If you were not able to attend the meeting, you missed State Representative Mike Powell who represents House District No.6 and serves on the Education and Transportation, Highways and Public Works Committees. Representative Powell briefed us on the greatly anticipated Youree Drive project. Representative Powell helped secure funds for one of the phases of the project that consists of road repairs, resurfacing, and drainage improvements on Youree Drive.

It was also great to see a big group of Louisiana Tech students attending the meeting. We had eight students that came from Ruston including their ASCE student chapter president. I am glad to report that thanks to Branch Member support ASCE was able to cover two thirds of the cost of the lunch for every student that attended the meeting. We would like to continue to offer this reduced price of five dollars per student for all our meetings this year. You or your company could also be a part of this opportunity by sponsoring a student. Please let me know if you are interested in sponsoring students coming to our meetings by paying for his or her lunch, or part of it.

I would like to thank LES president, Dennis Dean, and all his officers for hosting and organizing our joint meeting. Our regular ASCE meetings will start this month. Octobers meeting will be especially interesting for those of you in the Shreveport/ Bossier area. Have you driven around Shreveport/Bossier City lately wondering what are those big signs around the city that say: DOTD SIGN UNDER TESTING? Have you had anyone ask you what those signs are for? Well, you will have an opportunity of learning all about the variable message signs (VMS) around our cities in our October monthly meeting. The speaker will be Keith Tindell who is the district traffic engineer for the Louisiana Department of Transportation and Development (DOTD), based in Bossier City. He will be briefing us on the biggest Intelligent Transportation System (ITS) project ever let in the State. Please be sure to read Keith's article inside the newsletter for more information on Intelligent Transportation Systems.

Your Shreveport Branch officers are planning the Spring Conference for next year and will be hosting it in Shreveport. We would really appreciate your ideas and insight on this matter. We are looking for speakers and vendors that will be available to come to the conference. If you know of someone that would be a great



speaker for the conference or if you are interested in a particular topic please let us know, as we would like to accommodate your request while we are searching for speakers. Also, if you have any other ideas on the conference itself, please feel free to let me know at the address on the last page of the newsletter.

In addition, please be sure to read the article about the new Space Center to open in Shreveport on November 18th of this year. The article written by Mr. Al Najjar, president and CEO of Sci-Port, will give you more information about the new center. Sci-Port was conceived and came to reality thanks to community leaders like many of you. Since its opening back in 1998 it has inspired many kids to learn more about science and math. Publishing this article is our way to say thanks to all those involved, in Sci-Port and the Space Center for many years of great work, and give you, ASCE members, inspiration to be involved in your community.

As always, please let me know if you have any suggestions for our branch including topics and speakers for our meetings. I love to hear from you! See you Thursday, October 19 at the University Club for our monthly meeting.

Inside this issue:

| | |
|--|-----|
| <i>President's Message</i> | 1 |
| <i>Planetarium Interactivity: A New Paradigm</i> | 2-3 |
| <i>Project Spotlight</i> | 3 |
| <i>Intelligent Transportation System (ITS)</i> | 4 |
| <i>3rd ASCE YMG Thanksgiving Food Drive</i> | 4 |
| <i>Professional Advertisements</i> | 5-6 |
| <i>The Louisiana Civil Engineer/Branch Support</i> | 7 |

If you received the October 2006 newsletter by mail but not by email, please send your email address to:

ggoodwin@alliance-ae.com

Next Monthly Meeting

- ... **Date:** Thursday, October 19, 2006
- ... **Time:** 11:45 am
- ... **Location:** University Club
- ... **Speaker:** Mr. Keith Tindell PE (Refer to ITS Article, Page 4)
- ... **Cost:** \$15.00 PLEASE RSVP to Rusty Cooper at rcooper@alliance-ae.com or call 318-221-7501 **A PDH Will Be Offered**



Planetarium Interactivity: A New Paradigm

By Al Najjar, President and CEO of Sci-Port Discovery Center

Despite an early interest in astronomy and science, I was always too restless to enjoy the quiet and contemplative nature of a traditional planetarium.

What interested me most about planetariums was being the operator – having the universe at your fingertips. I always wondered if I could give that power to visitors. One mildly successful experiment I conducted in the early 1990s, while working at Science North in Ontario, Canada, involved interfacing our trusty STARLAB projector with a computer, then allowing visitors to control it from a simple program. (The projector was good only for spare parts after that.)

In 2001, I was excited by the open concept of the new Saint Louis Center planetarium, where visitors could freely explore the gorgeous stars on an 80-foot dome. Today, after 15 years in the field, I finally have had the opportunity within my own institution to embed some of the diverse qualities of a science center amid the richness and magic of the planetarium medium.

Reinventing Sci-Port

Sci-Port is a product of the science center “swell” that swept the United States and Europe in the 1980s and ‘90s. Conceived and championed by community leaders, the museum opened its doors in 1998 to a resounding reception. Eight years later, the institution has reinvented itself, adding a 25,000-square-foot Space Center with an open-access, interactive planetarium, 60 exhibits on space and astronomy, 25 exhibits on applied mathematics, and a rooftop observatory. Our new Space Center, with its laser interactive planetarium, is scheduled to open on Saturday, November 18.

It may sound like a science center cliché, but the intention from the start was to focus more on the visitor experience than on bricks, mortar, and cabinetry. It was therefore logical to build experiential science into the key architectural elements of the structure – the Solarium and the Planetarium – as well as into the exhibits.

Designed for interaction

The front wall of the distinctively pointed Solarium is aligned with the local longitude line that bisects the building, providing an accurate North-South reference. We can use its shadow each day to time our solar



noon. The supporting column along this wall is tilted at 32.5 degrees, pointing toward the celestial equator and the autumn and spring equinoxes. A 20-foot skylight in the ceiling serves as a sundial by day and a window to the universe at night, its gnomon viewable from inside the building and Polaris centered in it every night for at least the next 200,000 years. The roof and its observatory offer a fine overlook above the Red River and a place for astronomy programming and camp-ins.

Inside the new Space Dome Planetarium, the 40-foot dome is tilted at 45 degrees to the horizon, providing complete open access on the first level of the building and full visibility from the second. The projection system is an Evans & Sutherland Laser Digistar3 (D3), with a single 90-degree fisheye lens projector located off-center and retracted from the focal point of the dome. This arrangement leaves the back of the dome fully exposed to serve as a 42-foot model of the Sun, with the planets of the solar system (modeled to scale) surrounding it.

The powerful digital capabilities of the D3 system are harnessed in Naviga-

tion Stations that give full control of the dome to visitors. One interactive experience available is a simulated International Space Station, where visitors can work in teams to control robotic arms, dock shuttles, adjust solar panels, and more. Other interactives allow users to explore the stars and constellations of the night sky; future experiences will include exploration of alien environments.

The dome’s setup is flexible, allowing for programming modalities other than the traditional seated experience. It can be used as a “controlled” open classroom for school or group sessions, or as an open exhibit for visitors, where they can interact with scenarios on the dome, enjoy live presentations, or simply sit back and enjoy the stars and images projected by the 16-million-pixel laser projector.

Exhibits in a frame of reference

Surrounding the planetarium dome are 60 space and astronomy exhibits designed around a central theme of “frame of reference.” Subjects range from gravity and planets to galaxies and spectroscopy, and each exhibit offers visitors the opportunity to explore our universe and solar system from different reference points.

The rooftop observatory provides safe viewing of the Sun. On two 40-inch monitors inside the exhibit hall, visitors can see hydrogen alpha and white light images from two large telescopes in the observatory dome and remotely move the telescopes to scan the sunspots, flares, and prominences visible that day.

Mathematics was also integral to our planning; local schools and educators had requested programs to help students with math comprehension and test results. Conceived directly from the math curriculum guidelines in Louisiana, our new exhibits are heavily embedded with interactivity and manipulatives. An example is Statistical Sampling, a computer interactive that challenges visitors to use statistical tools to estimate the number of people in the Million Man March or the number of galaxies in the Hubble Telescope Deep Field image.

Cont'd page 3



All of our mathematics exhibits highlight math and logic as essential tools in everyday life.

In our business, the trick is to stay relevant. This is not a trivial proposition. At Sci-Port, we have taken a basic, meat-and-potatoes approach to science learning embracing the principles espoused by Frank Oppenheimer in "Everyone Is You...or Me," a 1976 article (available at www.exploratorium.edu/frank) in which he cites a tree as the most versatile kind of interactive exhibit. In our new Space Center, laminates, design, and slick graphics play a distant second fiddle to learning tools, science, and, most importantly, students, teachers, and learners.

Al Najjar, President and CEO of Sci-Port Discovery Center,
Shreveport, Louisiana
www.sciport.org



The Saturn Planetary Kiosk is sized to scale in comparison to the back of the Space Dome Planetarium, which serves as a model of the Sun.

If you received a hard copy of the newsletter but not a digital copy, please send your correct e-mail address to Cody Goodwin cgoodwin@alliance-ae.com or call 318.221.7501. We cannot deliver your notices and newsletters if we do not have your correct address.

Project Spotlight

By Rusty Cooper

Request:

The Shreveport Branch ASCE would like to request submissions of your recently completed Civil Engineering Project.

Please take this time to spotlight you or your firm's recent accomplishments in this section of the newsletter.

What to send in:

Please submit to me via e-mail (rcooper@alliance-ae.com) a brief article giving the **name** of the project, a **description** of the scope of work, what **benefits** the project has to the community, and any **photographs** that would help show the aspects you wish to spotlight.

I will collect all the submissions and pick a project to showcase each month in our newsletter.

Reward:

The person or firm that has their project spotlighted that month will receive a gift certificate for dinner for two to a local restaurant.



Have you been crafting the next generation Modern Marvel of the 21st century?

You could win a \$25,000 grant and a national showcase for your invention. Enter by November 20, 2006 at www.History.com/invent

Position Available:

Civil Engineer Intern

NTB Associates Inc.

Call 318.226.9199 For More Information.

LaTech is Hosting the 2007 Deep South Conference and Needs Sponsors. Contact the LaTech ASCE Chapter President Luke Lee at lukelee@latech.edu for more information.

Thanks to Eric Hudson for volunteering to be the Spring Conference Chairman!



Intelligent Transportation Systems (ITS)

By Keith Tindell, PE,
DISTRICT TRAFFIC OPERATIONS
ENGINEER

The Louisiana Department of Transportation and Development recognizes the increasing growth pattern of traffic volumes on our highway network. When the volumes exceed the capacity of the roadway, the result is congested conditions and associated safety concerns. Because limited funding is available, constructing additional capacity usually is not a feasible solution to the problem. The funding issue becomes even more critical as we see construction and real estate costs continue to rise. Therefore, the decision has been made within the Department to create an Intelligent Transportation Systems (ITS) Section for the purpose of placing more of a focus on the operations of our roadways.

ITS has been defined as the use of computers and applicable hardware to gather and process real time traffic information and the application of that data to benefit motorists. Through the use of available technology, we are deploying Intelligent Transportation Systems in all of the major urban centers of our state. The ITS projects can be categorized into two major types, interstate and non-interstate.

On the non-interstate routes, projects are principally upgrades to the existing traffic signals. These upgrades include solid state controllers, vehicle detection, L.E.D.

lenses and interconnect to adjacent traffic signals.

Typical ITS devices deployed on the interstate system include dynamic message signs, radar vehicle detectors and closed circuit cameras with pan / tilt / zoom capabilities. Other devices such as weather stations, truck roll over advance warning devices and highway advisory radio may also be deployed. Fiber optics is commonly installed for communications, especially if streaming video is to be transmitted. Wireless technology can be used for the radar vehicle detectors.

A critical component of the ITS system is the Traffic Management Center (TMC). From the TMC, operators can monitor traffic conditions in real time on both the interstate and non-interstate roadways. When a problem is detected, they can then respond appropriately to roadway condition that could adversely affect the traveling public. Typical responses would include an immediate notification of the appropriate responding agency (Police, Motorist Assistance Patrol, DOTD Maintenance, City Traffic Engineering Department, etc.), posting messages on the dynamic message signs or making adjustments to traffic signal timings.

Once deployed, ITS will allow us greater capabilities than we have ever had to operate our highways. For instance, traffic signals that have historically oper-

ated fixed time can now dwell in green on the main street until traffic is detected on the side street. This option results in decreased

overall delay and a reduced potential for rear end type accidents. Motorists on the interstate can be informed well in advance of any adverse traffic condition that they are approaching. This in turn heightens their awareness and allows them the option of taking an alternate route. With real time traffic monitoring, critical response time can be shortened for emergency responders dispatched to an incident. The benefit is obvious for those involved in the initial incident, but is also important because it reduces the chance of a secondary accident.

In closing, we look forward to the opportunity of using this new ITS technology to benefit the users of our highways. The ITS devices already deployed in the field have proven their effectiveness time and again. As the system grows and evolves, we expect even more positive results from the public's investment in ITS.

keithtindell@dotd.louisiana.gov

318-549-8305



3rd ASCE YMG Thanksgiving Food Drive

By Jarred Corbell


The Younger Member Group of ASCE Shreveport Chapter is collecting non-perishable food items to benefit the Providence House. In support of our efforts, we are asking for your help in participating in this community service by placing non-perishable food items in designated boxes. Boxes will be provided at the ASCE November meeting on Thursday, November 16th. Please take a box to your office and

let your coworkers know about the food drive. If you are unable to attend the November meeting and would like to participate, let us know so arrangements can be made to deliver a box to your office. Donations will be collected until Tuesday, November 21st. Everyone did a great job last year and I hope we can continue that effort through this year. For more information please contact Elba Hamilton at ehamilton@afjmc.com or Jarred Corbell at jcorbell@afjmc.com

Thank you for your thoughtfulness and consideration.



PROFESSIONAL ADVERTISEMENTS

Please Support our newsletter


COTHREN, GRAFF, SMOAK ENGINEERING, INC.
CIVIL • ENVIRONMENTAL • SANITARY • STRUCTURAL • MECHANICAL • ELECTRICAL

D. B. Graff, P. E., PLS
President

6305 Westport Avenue 113 Bienville Square, Ste. 2
Shreveport, LA 71129-2499 Natchitoches, LA 71457
Ph. 318-687-3732 Ph. (318) 354-6888
Fax: 318-687-1049 Fax (318) 354-6888
Email: cgs@prysm.net



M. J. GULLEDGE, JR.
Sales Manager

READY MIX
P.O. Box 6617
Shreveport, LA 71136
318.869.3528
Fax 318.865.8374

www.txi.com



1111 Hawn Avenue
Shreveport, LA 71107

phone: 318.221.7501
fax: 318.221.7635

email: alliance@alliance-ae.com

architecture
engineering
planning
surveying



**CONSULTING ENGINEERS
CONSTRUCTION MANAGEMENT**


**AILET,
FENNER,
JOLLY, &
McCLELLAND,
INC.**

1055 LOUISIANA AVENUE
SHREVEPORT, LOUISIANA 71101
PHONE: 318-425-7452
FAX: 318-425-4622
EMAIL: AFJMC@AFJMC.COM
WEB SITE: HTTP://WWW.AFJMC.COM

Yor-Wic Construction Co., Inc.
Municipal & Public Works Construction
"Since 1951"


David L. Wicker

Office (318) 742-6099 4585 E. Texas
Fax (318) 742-8383 Bossier City, LA 71111



ENVIRONMENTAL TECHNICAL SALES, INC.
Water...Wastewater...Sludge...Air
Equipment, Systems, Solutions

RONNIE HEBERT, P.E.
(225) 295-1200 • 7731 Office Park Blvd., Baton Rouge, LA • Fax (225) 295-1800



FENNER CONSULTING, LLC
CIVIL • STRUCTURAL • ENGINEERS

Gary W. Fenner, P.E.
gfenner@fennerconsulting.net

1543 Grimmert Drive voice: 318.222.2600
Shreveport, Louisiana 71107 fax: 318.222.2650
www.fennerconsulting.net cell: 318.455.4083



ATCHLEY & ATCHLEY, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS

412 LaSalle Street (318) 222-5821
Shreveport, Louisiana 71107 Fax (318) 227-2233
E-mail: atchley@shreve.net

GEOTECHNICAL ENGINEERING SERVICES, INC.
A PROFESSIONAL ENGINEERING CORPORATION

ROY D. JONES, P.E.

P.O. Box 5817 (318) 965-0500
BOSSIER CITY, LA 71171-5817 FAX (318) 965-0501



Engineering • Consulting • Testing

Dave Rambaran, P.E. PSI
Branch Manager 4123 Curtis Lane
Shreveport, LA 71109
318/631-5547

Sairam Eddanapudi, E.I.
Staff Engineer Fax 318/631-1546
Cell 318/780-8292
Email dave.rambaran@psiusa.com



Mohr and Associates, Inc.
Consulting Civil Engineers & Land Surveyors

6025 Buncombe Road
Shreveport, Louisiana 71129-4099
Telephone: 318/686-7190
FAX: 318/686-7196
E-mail: dbriano@networktel.net

JAMES D. MOHR
PROFESSIONAL ENGINEER
PROFESSIONAL LAND SURVEYOR



BBC Engineering, Inc.
engineers • planners • surveyors

Robert A. Basinger, P.E., P.L.S.

8650 Business Park Drive
Shreveport, LA 71105-5650
(318) 798-3344 • Fax (318) 798-2090
bob@bbcengr.com



Steve Ard
Municipal Products Group

Delta Process Equipment, Inc.

1101 Shady Grove
Bossier City, LA 71112
Ph. (318) 747-5443 Fax (318) 747-6327
E-mail: stevea@deltaprocess.com


GORMAN-RUPP
BARNES
DEMING
PROMINENT
SUTORBILT
WEINMAN
AIRMARST
VAUGHAN
FLOWAY
SWABY
GOULDS
ENVIRO-CARE

Water/Wastewater Pumping & Treatment Equipment

**COYLE ENGINEERING
CO., INC.**
Civil Engineering • Land Surveying • Architecture

CHARLES G. COYLE, P.E., P.L.S.

P.O. BOX 6177 3925 BENTON RD.
BOSSIER CITY, LOUISIANA 71171-6177 BOSSIER CITY, LOUISIANA 71111
PHONE: (318) 746-8987 FAX: (318) 742-1018
ccoyle@coyleengineering-bossier.com
www.coyleengineering-bossier.com



NTB Associates, Inc.
ENGINEERS • SURVEYORS • PLANNERS
Shreveport • Little Rock • Dallas • Ft. Worth

Mark A. Jusselin, P.E.
Principal

525 LOUISIANA AVE., SHREVEPORT, LA 71101
(318) 226-9199 • f (318) 221-1208 • maj@ntbainc.com

PROFESSIONAL ADVERTISEMENTS

Please Support our newsletter


McInnis Brothers Construction, Inc.

GEORGE E. McINNIS
CHAIRMAN OF THE BOARD

119 Pearl Street
Minden, LA 71055
gmcinnis@mcinnisbrothers.com

Cell Ph. 318-272-3414
Bus Ph. 318-377-6134
Fax No. 318-371-9156



Barbara E. Featherston, P.E., DEE
Principal

tel: 318 227-1064
fax: 318 227-7363
e-mail: featherstonbe@cdm.com

Camp Dresser & McKee Inc.
330 Marshall Street, Suite 920
Shreveport, Louisiana 71101

consulting • engineering • construction • operations



BALAR
ENGINEERS & SURVEYORS

631 MILAN STREET, SUITE 300
SHREVEPORT, LOUISIANA 71104

PHONE: 318-221-8312
FAX: 318-424-6500

WEB: www.balar-engineers.com
E-MAIL: lee.underwood@balar-engineers.com

RALEY and ASSOCIATES, INC.
Consulting Engineers
Civil, Structural, Surveyors, and Planners

R. J. "JEFF" RALEY, RE., P.L.S.
PRESIDENT

2285 BENTON ROAD, SUITE D 104
BOSSIER CITY, LA 71111
PHONE: (318) 752-9023 FAX: (318) 752-9025
E-MAIL: Jeff@raleyardassociates.com



B. Keith Harper
Regional Sales Representative

P. O. Box 4564
Shreveport, LA 71134-0564

318/868-1930
Fax: 318/742-5522
harperk@contech-cpi.com

"We're Concrete on Service"



REMCO READY MIX
A DIVISION OF REMCO ENTERPRISES, LLC

Frank Adams
GENERAL MANAGER

4461 Viking Dr.
Bossier City, LA 71111
Dispatch: 318-746-6800
Fax: 318-746-6902

Off: 318-747-3767
Fax: 318-747-3696
Cell: 318-207-1062



SEPAPAN ENGINEERING GROUP, L.L.C.
Consultant Engineers • Project Managers

DIRK HYDE, PE., PLS.
Project Manager

7330 Fern Ave., Ste 701
P.O. Box 5385
Shreveport, LA 71135-5385

Tel: 318-524-2502
Fax: 318-524-2503
Mobile: 318-286-6730
Email: segLLC@gmail.com



TETRA TECH, INC.

James M. Belt, P.E.
Manager

7222 Greenwood Road, Shreveport, LA 71119
PO Box 19220, Shreveport, LA 71149
Tel 318.636.3673 Fax 318.636.3723 Mobile 318.455.1391
james.belt@tetratech.com www.tetratech.com

DON'T SEE YOUR AD?

SUPPORT OUR MONTHLY NEWSLETTER THROUGH A BUSINESS CARD ADVERTISEMENT. SIMPLY SEND US A \$75.00 CHECK PAYABLE TO ASCE SHREVEPORT BRANCH AND TWO OF THE SAME BUSINESS CARDS. A DIGITAL COPY (PREFERRED METHOD) CAN ALSO BE SENT TO CODY GOODWIN AT cgoodwin@alliance-ae.com.

ASCE
P.O. BOX 3994
SHREVEPORT, LA 71133

AMERICAN SOCIETY OF CIVIL
ENGINEERS
SHREVEPORT BRANCH
P.O. BOX 3994



American Society of Civil Engineers

ON THE WEB @
WWW.ASCE.ORG

SHREVEPORT BRANCH OFFICERS

| | | | |
|-----------------|----------------|----------|------------------------------|
| President | Elba Hamilton | AFJMc | ehamilton@afjmc.com |
| President-Elect | Rusty Cooper | Alliance | rcooper@alliance-ae.com |
| Treasurer | Jarred Corbell | AFJMc | jcorbell@afjmc.com |
| Secretary | Cody Goodwin | Alliance | cgoodwin@alliance-ae.com |
| Younger Member | Sai Eddanapudi | PSI | sairam.eddanapudi@psiusa.com |
| Past President | Ashley Sears | AFJMc | asears@afjmc.com |

“ASCE Shreveport News” is the official publication of the ASCE Shreveport Branch, which is the professional society for civil engineers in northern Louisiana. It is affiliated with the ASCE Louisiana Section and ASCE which are the state and national professional civil engineering societies.

“ASCE Shreveport News” is published ten times a year (August—May). Any suggestions or comments on the format or content are welcome. News on members, the Section or the profession should be submitted to the Branch Secretary.

The Louisiana Section of ASCE needs support for the “Louisiana Civil Engineer, Journal of The Louisiana Section.” The Louisiana CE Journal is one of the most respected engineering association publications within the national and international engineering community, having received the highest award this past year. The continued success of our Journal is dependent on the revenue stream of advertisers. The Louisiana Section has experienced a decline in advertising revenue in the last few years. Log onto <http://www.lasce.org/publications/index.aspx> for more information.

Advertising Rates for The Louisiana Civil Engineer

Rate per issue effective November 15, 1995:

| | | | |
|--|-----------------|--|----------|
| Dimensions (Horizontal × Vertical) | | | |
| Professional Listing * (business card) | (64mm × 35mm) | | \$ 45.00 |
| Service or Supplier Advertisement * (business card) | (64mm × 35mm) | | \$ 50.00 |
| Quarter Page Advertisement (vertical) | (95mm × 120mm) | | \$240.00 |
| Quarter Page Advertisement (horizontal) | (190mm × 60mm) | | |
| Half Page Advertisement | (190mm × 120mm) | | \$425.00 |
| Full Page Advertisement | (190mm × 240mm) | | \$750.00 |

* Note that the minimum purchase is for one year (4 issues).

Advanced purchase discount rate per issue:

| | | | | |
|--|----------|----------|----------|----------|
| Number of issues (purchased in advance) | 1 | 2 | 3 | 4 |
| Percent discount | 0% | 5% | 10% | 15% |
| Quarter Page | \$240.00 | \$228.00 | \$216.00 | \$204.00 |
| Half Page | \$425.00 | \$403.50 | \$382.00 | \$361.25 |
| Full Page | \$750.00 | \$712.50 | \$675.00 | \$637.50 |