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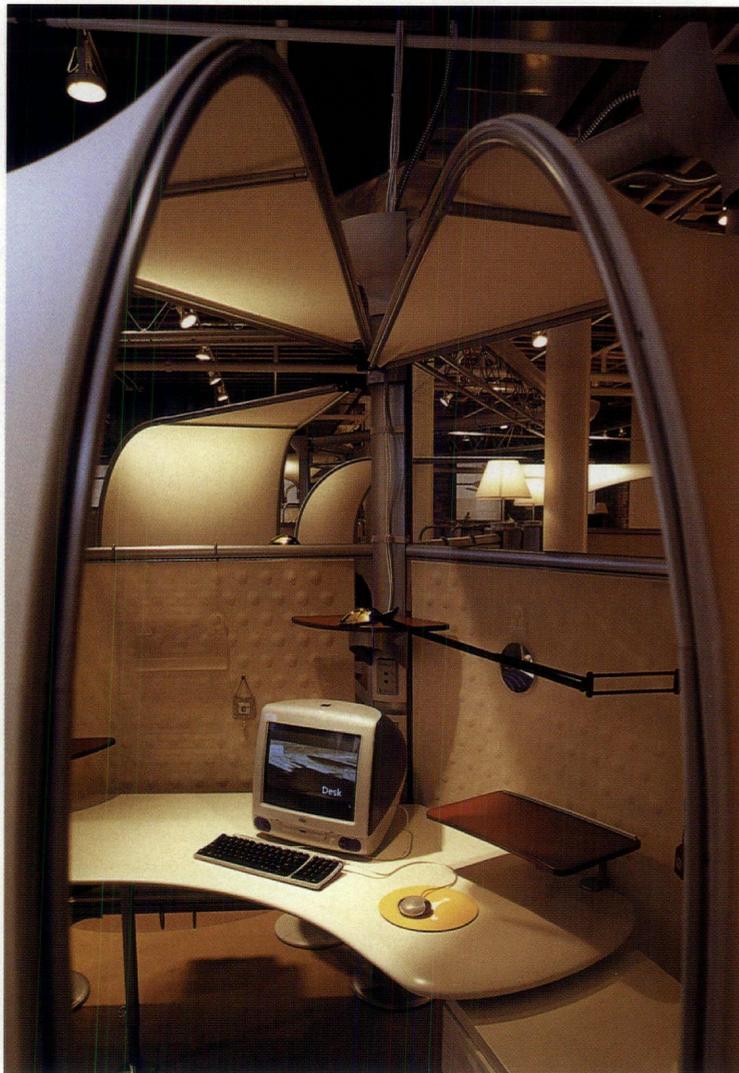
INSIDE...

Coast hosts new museum openings
Falling Water and Commies
Building a better mouse

PLUS...

Hot summer Preview
PvV and Index





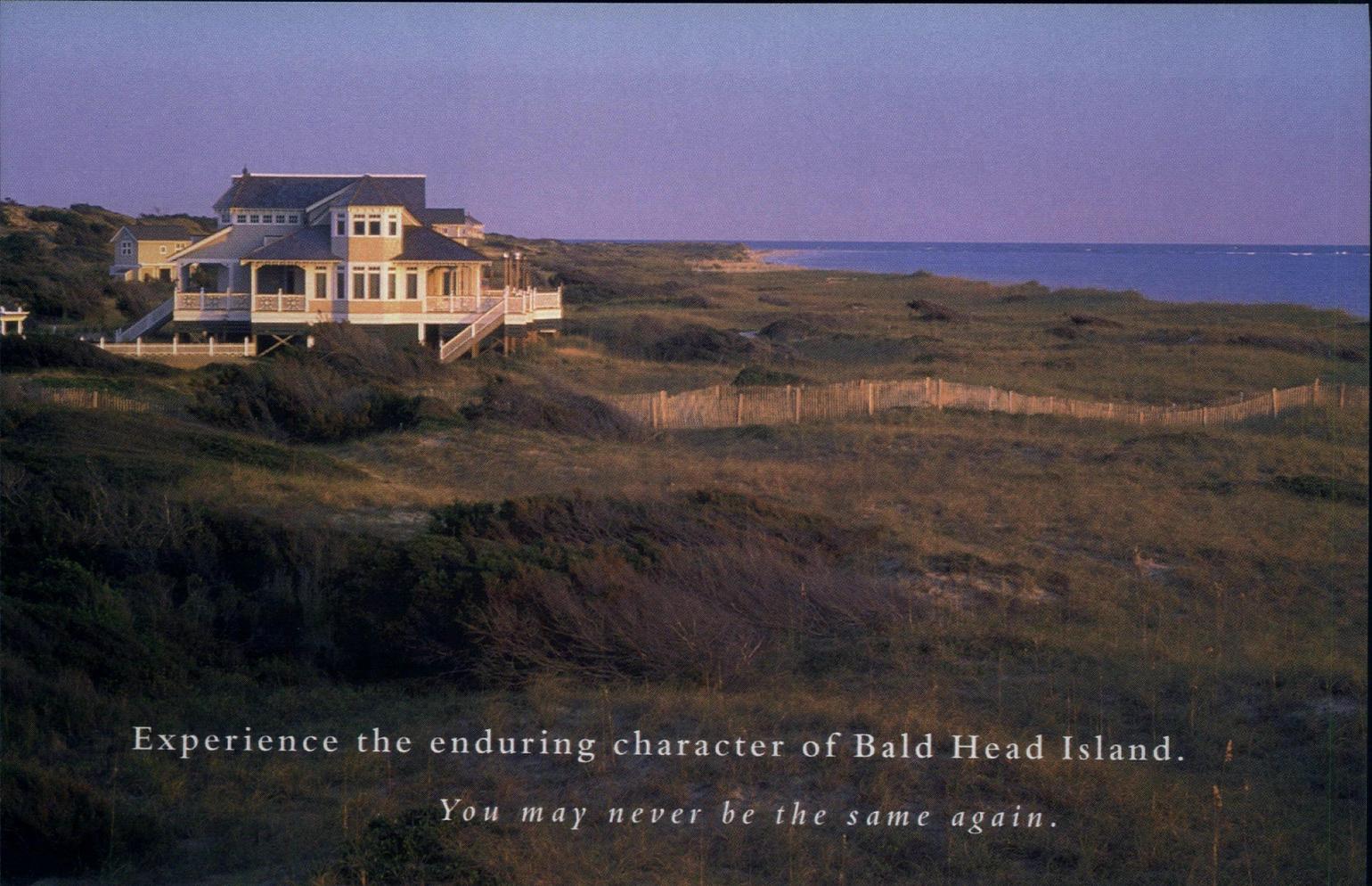
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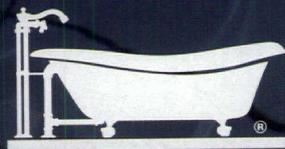
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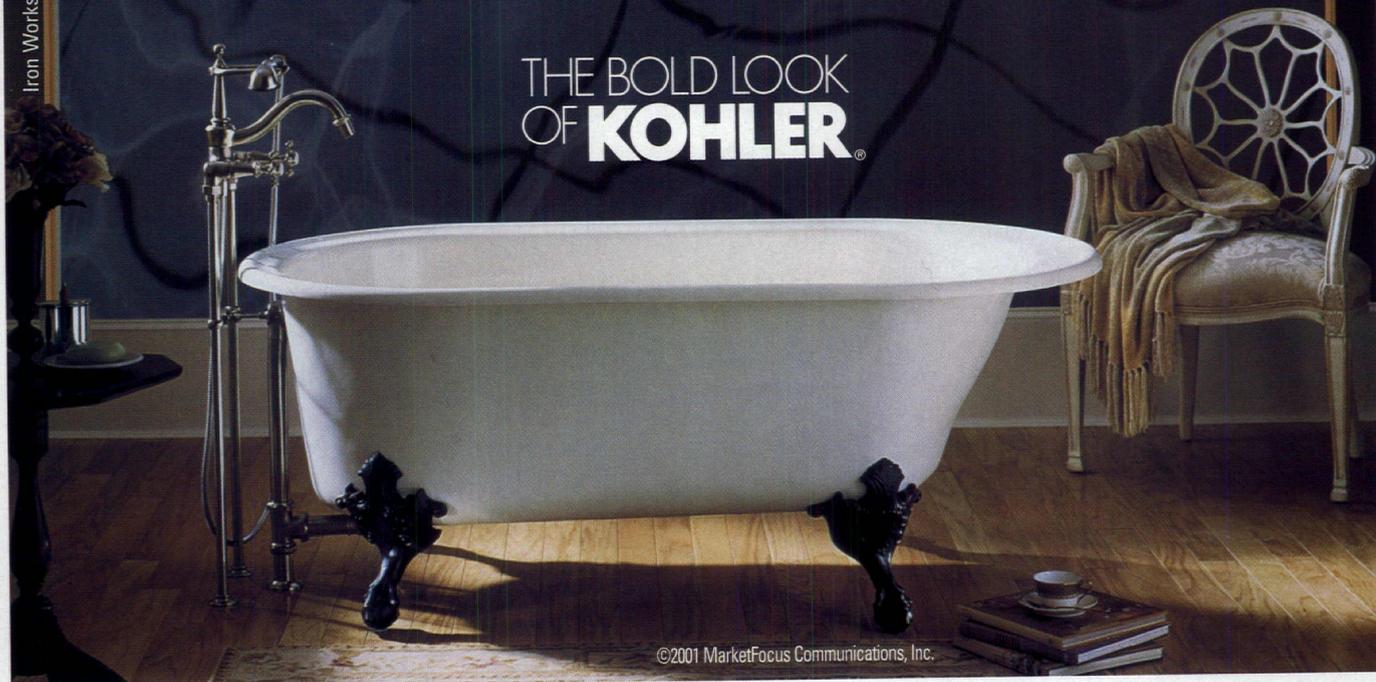
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TAKE US ALONG

Technology has cooled down some this hot summer but it's still going strong as evidenced by *Metro's* second annual High-tech 100, compiled by senior editor Rick Smith. This year the emphasis has shifted with the economy, with less data on dot coms and more on medical science and biotech. Telephony is going through some sea changes but software is still going strong. For 2001 we have added more on patent law firms, venture capital firms and a listing of public relations firms specializing in high-tech. If the response to last year's listings is any indication, the *Metro* High-tech 100 will be read globally as the Triangle and Eastern North Carolina have moved to the top of the list of important technology centers worldwide. A profile on the top R&D executive at Cisco's RTP facility rounds out a complete and informative special section on the tech firms that make the region tick.

On the coast, design editor Diane Lea reports on two new museums, one dedicated to the history and lore of shipping and shipwrecks off North Carolina's romantic yet treacherous Outer Banks, and another that displays the abundant wildfowl that helped label the coastal area "the goodliest land" by early settlers. These pieces remind us at *Metro* that including the eastern and coastal areas in our coverage enhances and adds a true sense of occasion to our mission.

Fiction editor Art Taylor offers up the latest in southern fiction and continues his listings of newly published books just waiting for you to take on the beach this summer. Non-fiction book editor Arch Allen presents a pivotal book on 20th-century political thought with a review of Ronald Radosh's *Commies*, a must-read for those in the know.

Philip van Vleck returns with the latest on quality music and the people who make it happen and *after.com* by Rick Smith continues to keep you abreast of the latest in the world of high-tech in the region. And events editor Frances Smith finds that the summer doldrums haven't made a dent in the myriad activities available for your enjoyment and edification listed in this special two-month *Metro-Preview*. There is literally something for everyone. So take us to the beach, across the ocean or on the front porch and you'll always feel right at home.

We return in September with a new quarterly special report on interior design, an in-depth and delightful inside look at the now world-famous Carolina Ballet and our regular line-up of quality writers. See you in September.

—Bernie Reeves, *Editor & Publisher*

UNCLE JOHN AND THE BUIES CREEK STOP LIGHT

Was in Buies Creek last night for a pigpickin' at the home of "my brother, the judge." Was embarrassed (truly) by the attention I got because of the Uncle John Stewart article. It's been read, faxed, mailed, etc., all over creation. One fellow there wanted to revisit it paragraph by paragraph. Brother probably wished the hell I had stayed at home!

Cousin Larry was there. First time I had talked with him. He loved it. Have discovered another whole treasure trove of Uncle John stories. Seems like everyone has one. Best one I had heard but forgotten:

The Stewarts and Matthews were having a joint reunion. Men had stashed the liquor behind the barn and were going back and forth for drinks. Then they discovered that someone had made off with the bottle. Uncle John, of course, was the prime suspect. They found him in a drunken stupor under the barn shed, bottle beside him.

"Uncle John, somebody's made off with the liquor!"

"The Matthews," he muttered. "They're bad to steal your liquor."

Larry also repeated a great line from Uncle John. He'd pick up some gossip rambling around town that piqued his interest and he was dying to tell. He would say, according to Larry, "Well, I've never been bad to carry tales, but I just may have to tell this one." According to Larry, he would interject the comment between each sentence as he was listening. It would be all over Buies Creek in five minutes. Larry related it to the time Uncle John walked up on his grandnephew Rudolph, Larry's brother, making out with a Campbell coed. After close questioning, Uncle John discovered she was a "Yankee" and couldn't wait to go tell family that Rudolph had a "Yankee" girlfriend (whom he eventually married).

By the way, the new stoplight is still wrapped in plastic. Haven't flipped the switch yet. *Metro* could sponsor a dedication ceremony as a "charity" fundraiser in partnership with the local fire department

(it's within sight of the stoplight). Cheap PR. Opportunity for substantial media attention.

Betty McCain told me she would come speak. Robert Morgan and Elaine Marshall both live in Buies Creek. Mentioned the idea of a stoplight dedication as a fundraiser to Morgan some time ago, and he thought it was a hoot. If you did it in the fall, would be a "must-do" for political candidates. Pickin' and grinnin' on a flatbed truck. Barbecue dinner. Speaking. Auction of cakes made by local ladies. Banner with *Metro* logo. CNN. Could become an annual event in the Creek. The "stoplight" festival.

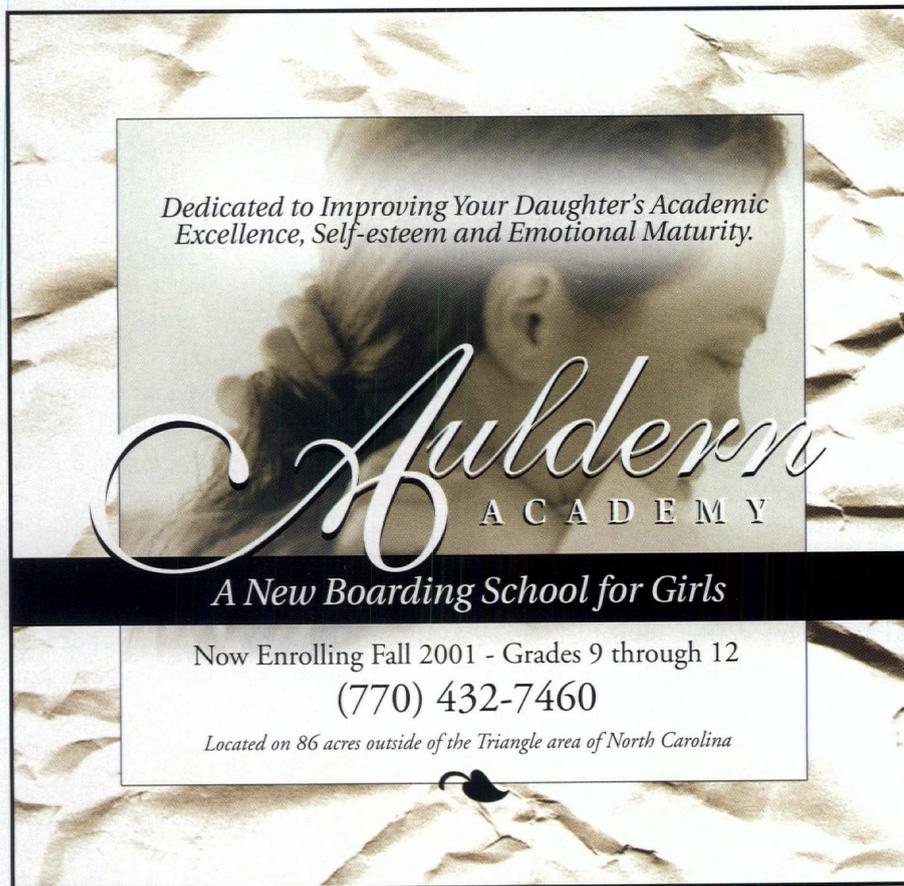
Take care.

*Carroll Leggett
Winston-Salem*

MEADOWMONT—BRINGING REALITY TO AN IDEA

In "Meadowmont: The Triangle's New-Old Neighborhood" (April 2001 issue), I was credited with designing Summit Park, a high-end townhouse community in Meadowmont. Not mentioned, however, is that I was also the project designer for Meadowmont Village, the mixed-use retail center that will be the heart of this community. A copy of my design rendering was featured in the article.

I am very proud of my contribution to the creation of this community that, like Southern Village before it, breaks ground for others who believe as I do that this development pattern is an essential ingredient in curbing sprawl and addressing quality-of-life issues. There are now real data from (TNDs) "traditional neighborhood designs" and mixed-use developments across the country. With few exceptions the data show positive effects for the surrounding community and the residents. To people that make the design of communities their profession, a development pattern that provides a mix of uses and increased density is a critical alternative to or substitute for the typical suburban low-density patterns. Why then should



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it take nine years for Meadowmont to be approved?

After going through this process with the developer on the Village portion of Meadowmont, I admire the persistence and dedication of Roger Perry and his staff to achieve their vision despite a process that was mind-numbingly long, expensive, and divisive. The burden of this process makes it less likely that similar development will occur; the alternative being sprawl.

I would love for your magazine to do more in-depth reporting on the development process associated with Meadowmont, Southern Village and other large-scale projects. From idea to reality is a strange journey.

John E. Felton, AIA
Principal Director of Community Design
Cline Design Associates PA
Raleigh

DRIVING FORCES

You hit another sore spot of mine ("Crime and Punishment," My Usual Charming Self, June 2001). Those ingrates across the blue are living in a dream world.

Don't get me wrong. I love to travel in England—blame my love of history. And I have to have an impressionist hit along the way in France. However, the Brits are still in the Victorian Age and the poor Frogs think nothing has changed since 1813 (Waterloo to present is but a vague remembrance).

I think the Italians might have it right, to a degree: "Okay, we've lost 'em all...pass the pasta and vino, prego."

Also, had not heard what Jim Crew was up to ("Jim Crew's Software Fusion," PvV, June 2001). His wife, Glenda Mackie, as director of Arts Together, has inspired my youngest, Donnell, in dance since the age of three. Donnell was just graduated from UNC-Greensboro with a BFA in dance. Jim and Glenda have encouraged many in Raleigh in their artistic endeavors. You might remember Glenda's mother, Lemma Mackie, who was a driving force in the early years of Arts Together

and the Tucker Carriage House.

Thanks for another great issue.

Joe Turner
Raleigh

WE'LL CONSIDER IT

I am writing to suggest that next year you include in your MetroBravo! awards (June 2001) the Best Seafood Restaurant.

Of course I have a reason to suggest such a modest improvement to your feature: I have a seafood restaurant in Chocowinity on Highway 17 (close to Little Washington and about 25 miles from New Bern). People do tell us that it's the best they've ever had and we have lots of repeat customers from Raleigh (and of course many other towns in the eastern part of the state). So keep it in mind.

Linda Foreman
Cliff's Seafood
Chocowinity

ARTFUL SUGGESTION

I enjoyed your spring issue featuring visual artists (MetroGallery, May 2001)...a Triangle artist that you might enjoy checking out is the painter Michael Prim. He's an award-winning AP physics teacher at Millbrook High School in Raleigh—and also quite an interesting, prolific abstract-expressionist painter who encompasses physics, philosophy, classical music, math.... He lives in his studio in Wake Forest...and has a new Web site at www.michaelprim.com. He's a very interesting fellow with whom to talk—and surprising art, I think.

I look forward to reading your future issues.

Laura Kinzinger
Raleigh

OLD FRIENDS, AND NEW

I am visiting in the home in Warrenton where I spent my childhood and saw your article on Warrenton ("Warrenton Renaissance," MetroDesign, March 2001). My

Bernie Reeves
Editor and Publisher

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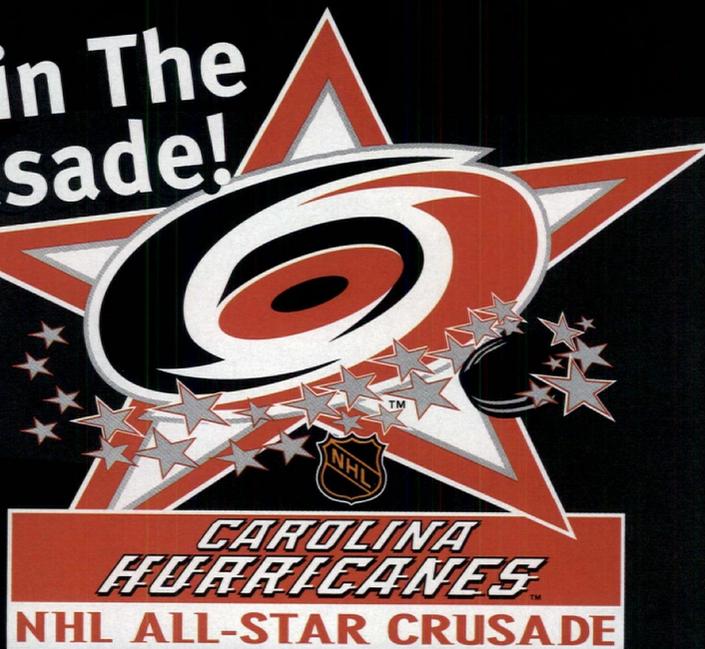
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grandfather Tasker lived here. James Knox Polk was Tasker's uncle. My father's brother, William Tannahill Polk, lived in this home.

William graduated from Chapel Hill and Harvard. He knew Thomas Wolfe in Chapel Hill and they were roommates at Harvard. William was a lawyer and editor of the *Greensboro Daily News*. He wrote

Southern Accents, among other things. My father's sister, Mary Tasker Polk Gibbs, wrote *The Way We Were*, a recollection of life in Warren County in about 1905.

I have one sister, Anne Knox Polk, who is married to Dr. Dexter Gregory Chadwick, who is president-elect of the American Dental Association. Greg and Knox went to school in Chapel Hill.

I have met some interesting people in this country, Europe, Gibraltar and North Africa. Among them would be Albert and Gladys Coates in Chapel Hill; Dr. James William Clark, Jr. in Raleigh; Dr. Rudolph Gary in Chicago; and Professor Paul Baumgartner in Basel, Switzerland.

And of course there was Paul Bowles in Tangier, Morocco. A writer, a composer, and a music and drama critic, Mr. Bowles studied composition with Aaron Copland. He wrote the novel *The Sheltering Sky*, which was filmed by Bernardo Bertolucci.

I shall spend part of my future in Europe, Gibraltar and North Africa. I have seen a few places through my piano concerts. I have been very fortunate.

Tasker Polk

Tasker Polk, a world-traveling concert pianist from Warrenton, is taking a break from his touring to spend some time back home in the Old North State. A fan of Tchaikovsky and Rachmaninov, Mr. Polk's tastes also run to art and language.

CORRECTION

In our June issue, we accidentally identified a MetroBravo! award winner as Carteret County Contemporary Gallery. The gallery is actually called Carteret Contemporary Art. Sorry for the error, and congrats on the award. Also, thanks to the management at Landfall in Wilmington who called to remind us that the Pete Dye Course is a "member-owned club," not part of a resort/residential development.

—the editors

WRITE US: MetroMagazine seeks to keep the record straight. Please write us and include your full name, hometown, and daytime phone number. Address correspondence—as well as corrections or clarifications of fact—to: Editors, MetroMagazine, P.O. Box 6190, Raleigh, N.C., 27628, or e-mail the magazine at email@metronc.com.

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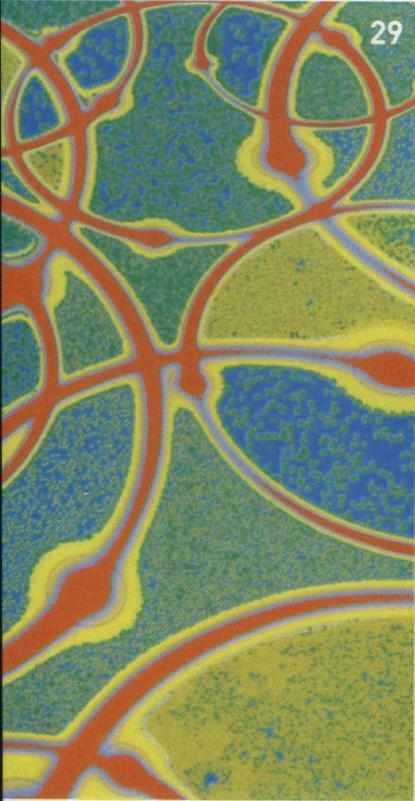
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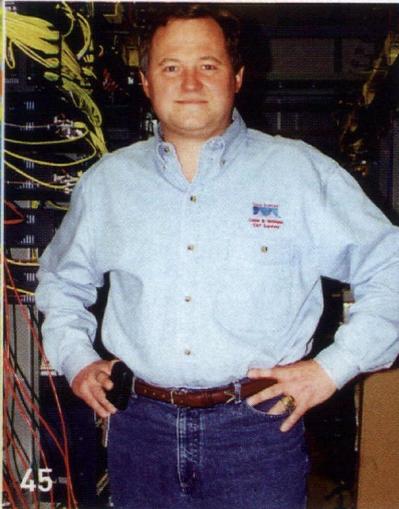
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Special Section...

29 **HIGH-TECH KEEPS ON TRUCKIN'**—Despite the dot com bust and a generally down-in-the-mouth tech sector attitude, *Metro's* second annual High-tech 100 shows there is indeed life in technology in the Triangle and Eastern North Carolina. A panel of the region's top market observers joined with senior editor Rick Smith to compile this year's listing of top tech companies. Tech took a licking but it keeps on ticking with biotech leading the way.



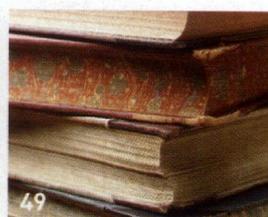
MetroProfile...

45 **THE CISCO KID**—Everyone wants to know what's going on at Cisco. *Metro* senior editor Rick Smith interviewed the former Army Ranger in charge of future product development at the RTP facility. Top gun Ed Carney is putting his survival skills to the test as the company retools for the future.

Feature...

14 **NEW COASTAL MUSEUMS**—The Graveyard of the Atlantic Museum and the Core Sound Waterfowl Museum reflect the character and heritage of North Carolina's coastal origins. Design editor Diane Lea takes you there.

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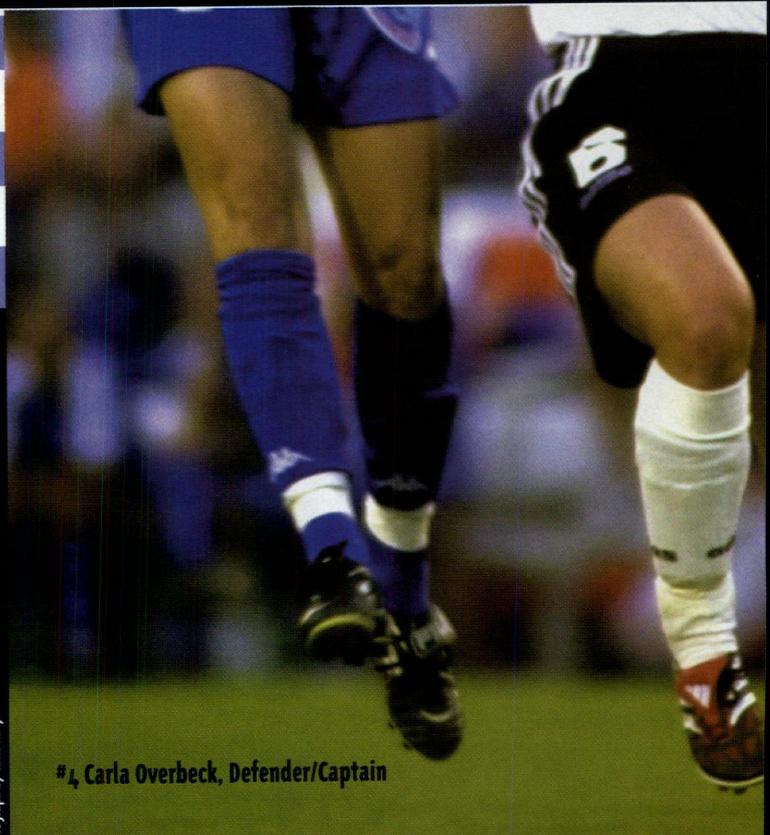
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SECRETS OF STATE

War by any other means

JEFFORDS COUP HAS N.C. IMPACT

Republican Jesse Helms and Democrat John Edwards, North Carolina's two United States senators, are the bookends representing the ideological warfare currently being waged in Washington, culminating recently with the defection of Vermont Senator Jim Jeffords.

The invisible hand of John Edwards is associated with the Jeffords defection, and Jesse Helms will lose the chairmanship of the Senate Foreign Relations Committee in the aftermath of the struggle.

Activist Democrats have continued war by other means after their loss of the presidency in Florida. The Jeffords coup is a milestone in the continuing political warfare that is changing the composition of American political power. And our two senators are the antagonist and protagonist of the drama.

It is entertainingly coincidental that the coup in the U.S. Senate by the Democrats and the coup involving members of the



OUT AFTER JEFFORDS Senator Jesse Helms

First in America?

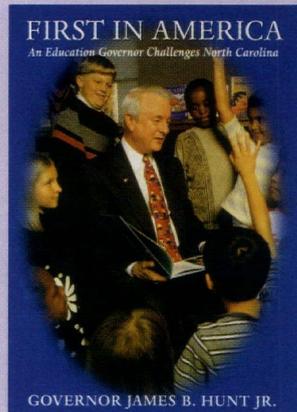
JIM HUNT BY JIM HUNT

Besides leaving current Governor Mike Easley with an out-of-control state budget by raising teacher pay 4.5 percent across-the-board before leaving office, former Governor Jim Hunt has thrust upon the public *First in America: An education governor challenges North Carolina*, an 88-page book that attempts to solidify his historical reputation as North Carolina's "education governor."

Hunt's tome is peppered with memories of his rural education in Wilson County, inarguable slogans and goals about children and learning, and a roster of commissions, committees and blue-ribbon panels that attempt to show that North Carolina is leading the nation in educational attainment.

For example, the former governor states that his book is about what he has learned since he took public office as lieutenant governor 30 years ago. It includes five goals that he feels we must reach in North Carolina: his Smart Start program, "excellent teaching," "safe schools," "high student performance" and "community support."

Ironically, the education he remembers from his youth, one that all North Carolinians shared and that placed us first in the South in schools, has deteriorated drastically under his 30-year, on-and-off reign as lieutenant governor and governor, with North Carolina hitting 51st in SAT scores in 1989 and still lingering at the bottom of the SAT pile.



WITH THE KIDS Ex Gov. Jim Hunt

royal family in Nepal occurred during the same week. We know machine guns were used in Katmandu, but what made Jim Jeffords agree to be the principal pawn in the American coup d'etat?

Alas, we'll never know. The mass media have ignored the subject because they approve of the switch by Jeffords. Had Jeffords been a Democrat who became a Republican to change the balance of power in America, the *New York Times*, *Washington Post*, CBS News and the rest would have been in Vermont sticking to every detail of Jeffords' life like maple syrup to a silver-dollar pancake. The Jeffords mystery will sadly continue due to lack of attention.

Did Edwards & Co. have something on Sen. Jeffords? Was he promised riches or political favor? Something else must have influenced his decision.

Had he remained a Republican, and voted his conscience, he would qualify as a "profile in courage," ala the famous John

Kennedy book. Or, had he announced that he was becoming a Democrat because he believed in that party's agenda, that too would qualify as a noble stand. However, Sen. Jeffords became an Independent, which is not a party at all. Which means that his decision to abandon the Republicans and create a Democrat majority of one in the



IN, POST COUP Senator John Edwards

U.S. Senate is reminiscent of Renaissance Florence, not 21st-century Washington.

The dogs of war are loose in Washington.

Conservative bents

REPUBLICAN LAWYERS HAVE INSIDE TRACK AT BUSH WHITE HOUSE

Remember when George Bush II scrapped the liberal American Bar Association's long tradition of recommending federal judges?

That begs the question: If the ABA is out, who's in? If you haven't heard of it yet, consider yourself introduced: Say hi to the Federalist Society.

Several of the 20-year-old group's 25,000 members are key people in the Bush administration. Many federal judges, the *NYT* says, are big supporters. In fact, in a blow to the ABA, a fourth of the 70 judicial candidates to come to Bush's desk this year were recommended by the Society's Washington headquarters.

"This [trend] shows how the right-wing Federalist Society is calling the shots in the Bush White House," is what Ralph Neas, the president of People for the American Way, told the *NYT*.

Certainly, the two groups of lawyerly ideologues aren't particularly friendly with each other. The chief grudge stems back to 1987, when the ABA gave a mixed evaluation to Robert Bork, now a Federalist Society employee.

Taking its name from the *Federalist Papers*, the original tract binding the founding fathers, the group advocates conservative causes like states' rights and disdains liberal views on the death penalty and environmental issues. Many members are Constitutionalists, others are Libertarians championing individual rights. James Madison is a hero; LBJ is not.

Pundits say that, had Hillary Clinton articulated her thoughts better, she might have named the group when she referred to the "vast right-wing conspiracy" that

allegedly uncovered President Clinton's peccadilloes.

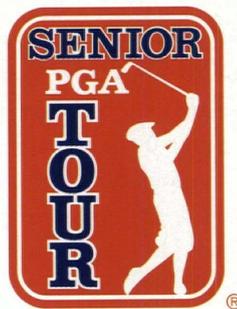
But for those who champion conservative thought, the Federalist Society's rising influence on this Republican White House is nothing but joyous.

SAS Championship SENIOR PGA TOUR COMING TO CARY

Jim Goodnight, the Cary software czar, has landed a Senior PGA tour event for his real estate development Prestonwood. The SAS Championship will tee off the last week of September.

The Atlanta sponsors lost a tour event traditionally scheduled for the late September slot, and Goodnight picked it up after intense negotiations with the PGA Tour.

Ordinarily, the SAS Championship would be required by the PGA to take place at the Tournament Player Championship course at Wakefield Plantation. TPC



courses are owned by the PGA with net revenues allocated to retirement funds for tour members. Consequently, the PGA requires sanctioned events to be played on a TPC course if one is located in a market where a tournament is scheduled.

Goodnight and his team from SAS were able to negotiate a three-year deal to play the Senior event at Prestonwood by coupling the SAS Championship with the seven-year-old PGA-sanctioned Buy.Com Tour that played for the first time at the TPC at Wakefield last May.

With the Buy.Com still scheduled at Wakefield, the PGA relented to allow the

SAS Championship to take place at Prestonwood, with assurances that the Buy.Com official charity, The Boys and Girls Club of Wake County, will continue to receive donations from the Buy.Com event.

Stay tuned for developments and more details about the Senior stop and the future of the Buy.Com Carolina Classic.

Building Raleigh MUSEUM TO DISPLAY FOUNDING FIRMS

Even before there was a capital city, the place that would become Raleigh had its share of commerce.

A few Tar Heel settlers had inns and taverns set up here on the cusp of the coastal plain before the city's founding in 1792. At least in spirit and perseverance, they laid the business groove that everyone from the local hot dog joint to 21st century multinationals are now dancing to. To celebrate moguls from the early days to today, the Raleigh City Museum will in September feature "Businesses that built Raleigh," an exhibit dedicated to the role of commerce in the city's history.

The museum will combine artifacts and historic photos with an oral history project. A catalog will include a compilation of Raleigh's major businesses through the years.

To be sure, the museum is looking for modern-day capitalists to help sponsor the exhibit. A gold-level sponsorship costs \$5000 while a basic sponsorship runs \$25. Talk about a good cause.

Bankers to the rescue CAMP CHALLENGE AT VADE MECUM

Secretary of State General Colin Powell issued a challenge and the North Carolina Bankers Association responded with Camp Challenge, a two week session at Camp Vade Mecum, located near Hanging Rock State Park north of Winston-Salem in the Saura Mountains. Recently designated an

America's Promise: The Alliance for Youth affiliate organization, Camp Challenge teaches disadvantaged middle school children to speak eloquently and improve their reading and writing skills. In addition, campers learn citizenship values, conflict resolution, entrepreneurship and financial responsibility.

Camp Vade Mecum, meaning "come go with me," was operated as an Episcopal Church Camp on the site of the early 20th century Vade Mecum Springs resort until the 1960s when a nonprofit organization gained control of the parcel and sold off timber and portions of the property. The Winston-Salem Sertoma Club stepped in to save Vade Mecum by having it designated a 4-H Camp under the administration of North Carolina State University.

Instructors for Camp Challenge are drawn from the state's University system and members of the North Carolina Bankers Association. For more informa-

tion or to help sponsor a camper, contact NCBA president Thad Woodard at 919-781-7979.

Paul Green IN A DIFFERENT DIALECT

Literary scholars have given Paul Green's *The Lost Colony* a workover to prepare it for a modern audience. That means the first complete printing of the legendary playwright's most famous work since the mid-1960s reads in a more politically correct way.

In the middle of the dispute over publishing rights to the Pulitzer Prize-winning North Carolinian's play was Laurence Avery, a Southern literary scholar, who once published, with Green's blessing, the playwrights' letters.

Persevering through disagreements with

the Paul Green Foundation and the Roanoke Island Historical Society, which oversees the production of the play, Avery finally helped arbitrate a settlement.

Part of the deal was that Avery edit the play for a modern audience. "I've added stage directions, written an introduction and tried to create a version that is true to the spirit of Green's play and current productions."

One major change is one Avery says Green, whom Avery calls a human rights activist, would approve of: a new portrayal of Indians.

"The dialect in earlier texts resembled something Tonto might have said," Avery says. "But Native Americans represented in the play had learned English from the colonists and had come from long stays in England, so I let them talk like the other characters, that is, in standard English."

continued on page 60

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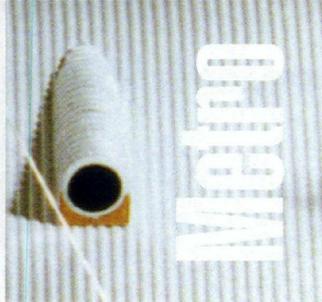
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TWO NEW MUSEUMS CAPTURE ESSENCE OF COASTAL N.C.

Summertime travel to two of the most appealing locations on North Carolina's glorious coast will offer a preview of coming attractions as two new, and dramatically different, museums show off their recently completed exteriors. Though neither museum will have permanent exhibits in place until sometime in 2003, each of these handsome structures offers the traveling public a chance to learn about the history and culture they represent through active community-based programs and just plain visual appreciation.

Located at the tip of Hatteras Island, where the ferry dock traffic lines up to and from Ocracoke Island, the Graveyard of the Atlantic Museum occupies a stark landscape of scrub and sand dunes. An innovative visual metaphor for a ship's wrecked hull, the Graveyard of the Atlantic Museum is defined by simple forms and durable hard-edged materials. Nestled into the dunes, the building is anchored by tautly stretched lines leading from masts jutting



NEMO'S VIEW Complete with portholes and masts, the Graveyard of the Atlantic Museum settles into the dunes like a beached

up through a gracefully curved facade of wooden ribs. The rounded metal engaged roof shades the building's entrance, and ridged porthole dormers bring to mind a modern version of Captain Nemo's fantastic submarine. The effect is quite compelling and perfectly complements the museum's name and theme.

In contrast, the Core Sound Waterfowl Museum of Harkers Island sits on a piney promon-

tory overlooking the blue waters of Core Sound. A comfortable lodge-like building set in a revitalized wildlife area known as Willow Pond, the museum is a rambling wooden structure with a multitude of gables and a tower with a view of the Cape Lookout Core Banks that makes the moderate staircase climb well worth the effort.

Both of these buildings exemplify the power of the

people. Both museums, long in coming and dearly bought, are the result of two very different and very successful on-going grassroots movements.

In each case the impetus to build a museum came from local citizens who saw the museum as a means to preserve both fast disappearing artifacts and to celebrate and revitalize the heritage they represented. For Belinda Willis, a founding member of the Board of

Directors of the Graveyard of the Atlantic Museum Inc., the clarion call came almost 15 years ago when the Federal Government was seeking a resting place for the salvage from the *U.S.S. Monitor*.

Because no museum in North Carolina was equipped

ization, began raising money and public consciousness about the rich maritime and cultural heritage that the shipwrecks represented.”

Armed with the determination and perseverance characteristic of their Island ancestors, the group gained ground in

of understanding gained the right to use seven acres of land as the museum’s site.

With the site secured, the non-profit organization began looking for a designer for the museum. Through Karen Amspacher, now executive director at Harkers Island’s up-

space for exhibits and facilities. “Quite a lot of site preparation was required before we could install spread concrete footings,” he explained, “a safer alternative than building on pilings.” Making a virtue out of necessity, Synthesis created a curved concrete bulkhead to stabilize the



COURTESY OF SYNTHESIS ARCHITECTS/PLANNERS. MODELS BY MARICAM KALEEL. PHOTOS BY MELVA CALDER PHOTOGRAPHY



SETTING SAIL The hull-shaped museum can withstand 135-mph winds

to conserve and display the fragile salt-soaked remains of that great Civil War ship, its salvaged objects and portions of the hull went to Virginia’s Mariner’s Museum in Newport News. “Both Virginia and South Carolina had facilities capable of handling maritime artifacts,” Willis says, “but North Carolina’s Outer Banks, which is home to hundreds of shipwrecks, had none. That’s when the Hatteras Island Civic Association, our parent organ-

ization, began raising money and public consciousness about the rich maritime and cultural heritage that the shipwrecks represented.”

1989 when they received \$50,000 from the Albemarle Commission to fund a feasibility study and a preliminary concept design. “We created the Graveyard of the Atlantic Museum Inc., to handle the fundraising and to develop educational programs that could function until the Museum was completed. It’s what we call our Museum without Walls,” says Willis.

While providing a good start, the slim resources of the Graveyard of the Atlantic Museum left no margin for purchasing a site for their museum. The problem was resolved when the local group formed a cultural partnership with the National Park Service and the National Oceanic and Atmospheric Administration and through a memorandum

and-coming Core Sound Waterfowl Museum, Willis learned of the Wilmington architectural firm Synthesis Inc., and architect John Parker. “We talked to Jay DeChesere and John Parker of Synthesis about a museum that would reflect the lighthouse station architecture you see up and down the Outer Banks. When they came back in 1997 with what they called ‘something new,’ our first reactions were shock and then excitement. We decided ‘something new’ was just what we needed.”

Jay DeChesere, Synthesis’ principal architect, points out that building a museum on such an exposed Outer Banks location brought challenges beyond the usual ones associated with proper climate control for precious artifacts and adequate

building’s setting while enhancing the curved lines of the museum building. DeChesere is especially proud of the engineering that went into the almost 19,000-square-foot, \$7.3 million building that can withstand sustained winds of 135 miles an hour. “Our general contractor, Creech Construction Corp, and his sub-contractors did a superb job,” says DeChesere. “The roofing company, Beacon Roofing of Jacksonville, Fla., laid 115 feet of seamless interlocking metal roofing strip by strip.”

Roughly \$3 million is still needed to finish the museum facility and install exhibits, but Willis is optimistic. She credits Graveyard of the Atlantic Museum Executive Director Joseph K. Schwarzer II, with forging new productive paths



BIRDS OF FANCY The Core Sound Waterfowl Museum aims to celebrate the fine art of decoying

for the organization. “In five years Joe has accomplished a lot on many fronts. His background as a museum director and exhibits planner is complemented by his long-term service as a researcher with both the Institute of Nautical Archeology and with the American Research Institute in Turkey. Joe has raised our educational outreach to an outstanding level.” Willis is especially grateful for the support Schwarzer provided board member Kevin Duffus of Raleigh’s Video Marketing Group in producing a two-part video on the maritime history of the Outer Banks. Entitled *The Graveyard of the Atlantic*,

the 90-minute film won a 1998 Telly Award. “The video is a good tool for educational outreach and for fundraising,” says Willis. “Duffus and Schwarzer are now at work on *War Zone*, a video on the history of World War II marine warfare on the Outer Banks.”

Willis and Island-native husband Virgil have just taken their first walk on the newly installed sidewalks that ring the museum facility. “When you are up on the front porch you feel like you’re really on a ship,” says Willis. “Then you look out to sea and it’s like you’re paying respect to those whose graves are in the wrecks.”

CORE SOUND CARVES OUT A MUSEUM

Highway 70 East from the now trendy historic village of Beaufort soon takes you to North Carolina’s Down East, a place of marsh and water and sky and of fish houses and stacks of crab pots and small houses with neatly edged gardens and hand-lettered signs advertising “decoys.” Turn right just beyond Otway on Harkers Island Road and follow it across The Straits, a picturesque inlet that flows between the mainland and Core Sound.

Located just 17 miles from Beaufort, Harkers Island is a small fishing village of timeless appeal and excellent local seafood restaurants. It is also home to the Core Sound Waterfowl Museum, a monument to the strong contingent of 2600 determined people who, through countless hours of community service, clam bakes, shrimp burgers and seafood receptions brought it out of the ground.

Karen Willis Amspacher, a native Down Easter and the Director of the Core Sound Waterfowl Museum, recalls that the idea for the museum emerged around 1988 with the



COURTESY OF SYNTHESIS ARCHITECTS/PLANNERS. RENDERING BY MILES MELTON.

CARVER'S GUILD Getting ready for the hunt can be just as satisfying as the hunt itself

first Core Sound Decoy Festival. "Two local men, Wayne Davis and the late David Lawrence, were instrumental in starting the Core Sound Decoy Carver's Guild, which led to the festival," says Amspacher. "What the festival taught us," continued Amspacher, "was that the more people learned about decoys, the people who made them, how they were used, the history of them, the more they wanted them. This led to the idea of establishing a museum that was not a traditional museum, although it will be that, too, but a learning place where the context of this craft and this

wonderful culture can be examined and appreciated."

The first money raised for the Core Sound Waterfowl Museum was \$226,000 pledged by members supporting the idea of a museum. In 1992 the newly chartered Core Sound Waterfowl Museum followed the example of its Hatteras Island neighbors and negotiated a lease agreement with the National Park Service for the use of a 16-acre tract on the eastern end of Harkers Island as a museum site. A temporary museum facility was established next door to the Harkers Island Elementary School, and an almost endless series of

museum-centered fundraising events and community discussions began.

In 1994, the group selected Synthesis and John Parker as the designer of the Core Sound Waterfowl Museum. Working with the museum board, volunteers and members of the Down East community, John Parker and the Synthesis staff planned a facility which would house both a museum and a community center. The group chose as their architectural theme the rustic hunting lodges constructed for wealthy turn-of-the-century sportsmen who frequented the area. The materials selected were native woods

"We call it the working man's museum," says museum director Karen Amspacher. "It will encompass everything from a traditional boat house, featuring a wooden fishing boat...to a porch for whittling. Our exhibits will be organized around the seasonal changes that marked the Down Easter's year."

and rough-cut lumber, and much of the interior finishes for the Educational Wing, where the Carver's Gathering Room is located, would be provided by local craftsmen. In 1998 Thomas Simpson Construction Company of Morehead City began construction of the \$1,800,000 building and completed the exterior in the spring of 2001.

"We call it the working man's museum," says Amspacher. "It will encompass everything from a traditional boat house, featuring a wooden fishing boat built by renowned Harkers Island craftsman Brady Lewis and donated by the heirs of Harry M. Lewis, who owned

the boat, to a porch for whittling. Our exhibits will be organized around the seasonal changes that marked the Down Easter's year. That means duck hunting in the winter, readying boats for shrimping in the spring, pony penning in the summer and decoy carving in the fall, getting ready for Christmas."

Amspacher is joined by Carl Huff, a carver and long-time volunteer. Huff retired to Harkers Island 15 years ago and has since devoted much of his time to leading the restoration of the Willow Pond, a wild-fowl compound that borders the museum site. "The area was dammed and a private

"The area was dammed and a private landing strip placed on the marsh after the Second World War," said Amspacher. "Carl [Huff] has helped bring it back to a clean natural habitat for wildfowl and other animal life. It's really as important a part of the museum as the artifacts and other programs."

landing strip placed on the marsh after the Second World War," said Amspacher. "Carl has helped bring it back to a clean natural habitat for wildfowl and other animal life. It's really as important a part of the museum as the artifacts and other programs."

We follow Huff along a nature trail at the edge of the now flourishing marsh and pause to peer through a wooden blind. Ibis, tri-colored black birds, green and blue herons, and white egrets are backlit by the setting sun. Suddenly it is apparent. That's what it's all about. The Core Sound Waterfowl Museum is Down East's safe haven. 



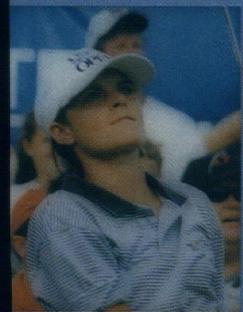
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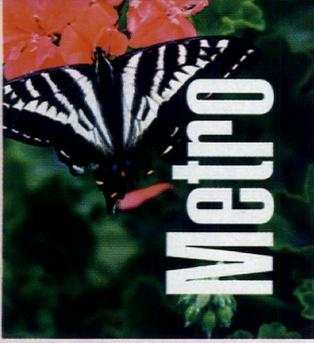
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Preview

ENJOY THE HAPPENINGS AT THE HEIGHT OF SUMMER

In summertime, although “the livin’ is easy,” exciting events are easy to find from the Triangle to the coast, so dig in to this month’s special two-month Preview.

For starters, check out the region’s plays. The opera House Theatre in Wilmington will present performances in July and August on Thalian Hall’s Main Stage. Raleigh Little Theatre will present July performances on the Main Stage of their Pogue Street theatre and an August musical in downtown Raleigh at the A.J. Fletcher Opera Theater.

The North Carolina Theatre will present the well-loved *Oliver* in Raleigh’s Memorial Auditorium, and two companies, the Cape Fear Regional Theatre in Fayetteville and the Rocky Hock Playhouse in Edenton will present plays with religious themes. Outdoor drama continues with two more productions in July, and in dance, six more American Dance Festival programs are scheduled at Duke.

On the classical music scene, The North Carolina Symphony’s Summerfest at the new Regency Park Amphitheater in Cary will present two more concerts in July. The Raleigh Chamber Music Guild will begin one of its two concert series to celebrate its 60th anniversary. The

Sights and Sounds on Sundays Series will present concerts in July and August and on into the fall.

Pop music concerts include a jazz festival in Morehead City and a blues festival in Wilmington. Altet Pavilion at Walnut Creek in Wake County has a full schedule of name stars for both months and the Raleigh Entertainment and Sports Arena will host an indoor Beach Music Festival.

A number of Art Galleries in Raleigh will have special summer exhibits. The Pasquotank Art Council Gallery in Elizabeth City will present five summer exhibits, and the Arts Council of Moore County’s Fine Arts Festival exhibit will hang in the Campbell House Galleries in Southern Pines during August and September.

Sports enthusiasts gravitate to the coast during mid-summer for races, sailing events, fishing tournaments and even a kayak festival. Sand sculpting? You’ll find a Sculpting contest at Wrightsville Beach.

The N.C. Museum of Art’s Outdoor Season will present a European high-wire artist and a variety of musical concerts and movies—while indoors the Picasso, Braque, Léger exhibit will continue. At the N.C. Museum of Natural Sciences

the Hubble Space Telescope exhibit will continue and, in addition, the staff is planning a special highlight in August, the always-popular Bugfest. The N.C. Museum of History will offer musical programs, photographic views of old Raleigh and the reading and signing of a new book on Nags Head.

The Ava Gardner Museum has been moved to a new location in downtown Smithfield with a new exhibit of photographs and memorabilia honoring the beautiful lady. The Maritime Museum in Beaufort will offer cruises focusing on the notorious Blackbeard and the remains of his ship the *Queen Anne’s Revenge*.

At the top of Potpourri events is a celebration of the life of screen and television star Andy Griffith at his alma mater UNC-Chapel Hill. Elsewhere, you’ll find appealing events such as a Sundown Shindig on the River in Wilmington, a Summer Artillery Demonstration at Fort Fisher, the N.C. Watermelon Festival at Murfreesboro, the Perseid Meteor Showers observation session by the Morehead Planetarium and two farmers’ day festivals.

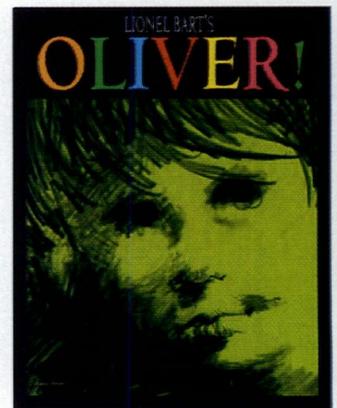
The summer happenings are like peaches and plums, ripe for the picking. Savor the moment and have a great summer.

—Editor, Frances A. Smith

MID-SUMMER NIGHT’S DRAMA

The **Opera House Theatre Company** will present two dramas in **Thalian Hall** in Wilmington during July and August. **How to Succeed in Business without Really Trying!** based on the novel by Shepard Mead, will be presented July 11–15, 20–22, 27–29. And **George M!** from the book by Michael Stewart and John & Francine Pascal with music and lyrics by the fabled George M. Cohan, will be staged Aug. 8–12, 17–19, 24–26, 31–Sept. 2. Call 910-343-3664, 800-523-2820 or visit www.thalianhall.com.

When the **North Carolina Theatre** presents **Oliver**, the popular musical based on Charles Dickens’ famous novel, the cast will be huge and appealing. At Raleigh’s



Memorial Auditorium on July 13–22, 71 local children will participate in the opening kids’ chorus. This may even upstage the inimitable **Ira David Wood**, who will play the pickpocket paradigm “Fagin.” **Steven Stuts**, whose credits include both national and regional roles, will appear as the cocky “Artful Dodger” and the title role of “Oliver” will be portrayed by **Asher Book** who has played “Chip” in the National Broadway Tour of *Beauty and the Beast* and other roles. Call 919-831-6950.

The **Raleigh Little Theatre** will present **Tied to the Tracks**, an action-packed old-time musical/western melodrama, on the Main Stage, July 20–22, 25–29. The heroine is tied to the tracks with the big steam engine heading straight toward her. Will the hero be able to save her? This Family Series production is sure to delight young audiences. RLT is located at 301 Pogue St. Call 919-821-7961.

And in August, **Raleigh Little Theatre** will produce **Smoke on the Mountain**, a bluegrass/gospel musical comedy that takes place in 1930 during the depths of the Depression. The setting is Mount Pleasant Baptist Church in Mount Pleasant, N.C. The play will be presented downtown in the A.J. Fletcher Opera Theater of the BTI Center on Aug. 24–26, 30–31 & Sept. 1.

Emmrich Theatre of Edenton, North Carolina's only full-time indoor Christian theater, will present **Paul, the Apostle** by **Gloria Emmrich** at the **Rocky Hock Playhouse**, July 24–Aug. 18. As the play begins, a young Saul has not yet been converted to Christianity; then an amazing story unfolds as Paul's life is changed following the well-known event on the road to Damascus. The Rocky Hock Playhouse is located on the corner of Rocky Hock Church Rd. & Evans-Bass Rd. in Edenton. Call 252-482-4621.

Cape Fear Regional Theatre in Fayetteville will present the musical **Godspell** Aug. 3–19. Based on the Gospel According to St. Matthew, **Godspell** moves from moment to moment as a pageant, without a traditional plot. It reflects on the life of Jesus as interpreted by 10 performers dressed as clowns. Cape Fear Regional Theatre is located at 1209 Hay St. Call 910-323-4234.

Outdoor drama continues in July with productions in Raleigh and Pembroke, illustrating pivotal episodes in American history:

- **Strike at the Wind** depicts the life and mysterious disappearance of North Carolina Lumbee Indian outlaw Henry Berry Lowrie, sometimes called the American Robin Hood. July 7–Aug. 11 (Fridays & Saturdays); Robeson Historical Association, Pembroke. Call 910-522-6111.

- **The Amistad Saga: Reflections** dramatizes a mutiny aboard a slave ship that marked the beginning of the end of slavery in the United States. July 19–29; African American Cultural Complex, 119 Sunnybrook Road, Raleigh. Call 919-212-3598.

ADF: MASTERS OF MOTION

American Dance Festival continues into July at Duke University in Durham. Following is the July schedule of six concerts. Call 919-684-6402.



"Lyrical Athleticism"—
Paul Taylor Dance
at ADF

PHOTO BY LOIS GREENFIELD

In Page Auditorium

- **Paul Taylor Dance Company**, a tradition at ADF and heralded the world over as the premier modern dance ensemble, July 5–7.
- **Merce Cunningham Dance Company**, legendary experimentalists who take their audiences into new explorations of time and space through dance, July 12–14.
- **Meredith Monk**, composer/choreographer, and Ann Hamilton, sculptor, joining worlds in an ADF-Commissioned world premiere, July 19–21.

In Reynolds Industries Theater

- **Shen Wei Dance Arts**, presenting their critically acclaimed *Near the Terrace* and other works, July 1–3.
- **Emerging Generation**, presenting three up-and-coming dance companies, ChameckiLerner, Mark Jarecke Dance and Open 24 Hours Dance, July 10 & 11.
- **International Choreographers**, Sabine Dahrendorf of Spain,

Tatiana Baganova of Russia & Sukarji Sriman of Indonesia presenting "dance [that] can leap across boundaries," July 17 & 18.

UPLIFTING CLASSICAL CONCERTS

The **North Carolina Symphony's Summerfest** continues at the new Regency Park Amphitheater in Cary. On July 7 Assistant Conductor Jeffrey Pollock will direct **Opera Plus Broadway Equals Entertainment** with Amy Hansen, soprano and Joseph Wiggett, baritone. On July 14 the summer's second **Classical Jukebox**, this one called **Ode to Joy**, will include

offers a concert of Baroque works.

- Sept. 16—**Aurora Musicalis**. "Music of the Court" played by Triangle ensemble.
- Oct. 28—**Triptych**. Current and former ECU faculty members Louise Toppin, Fritz Gearhart, Selma Gokcen and Donna Coleman in an all-American program.
- *Next month Preview will announce fall concerts for the Masters Series, which begins in October. Later concerts for both series will be listed in succeeding issues. Call 919-821-2030; email: rcmg@juno.com; or visit www.rcmg.org.*

MOOD MUSIC FOR MID-SUMMER

The summertime beat has begun. The **Morehead City Parks and Recreation's Concert in the Park** sessions have been playing for over a month now and will continue through Sept. 1 at the **J.C. Park**, 9th and Shepard St. on the Morehead City waterfront. **Scheduled for July:** Flashpoint, 4th; Ryder Preston, 7th; Everyday's Monday, 14th; Carolina Beach Club, 21st; and Hwy. 49 Blues Band, 28th. **For August:** Delta Bones, 4th; Bottom Line Band, 11th; Allyson-hymn, 18th; Scearce & Ketner, 25th; and 40 West, Sept. 1st. Call 252-726-8148.

Alltel Pavilion at Walnut Creek

will be jumping all through

July and August. Among the big-name highlights will be **Rod Stewart**, July 7; **Destiny's Child**, July 21; **Maze**, July 29; **Blink-182**, July 31; **Allman Brothers**, Aug. 3; **Tony Bennett & KD Lang**, Aug. 5; and **Tim McGraw**, Aug. 10. Call 919-834-4000 or 910-223-2900.

The **All about Jazz Festival, 2001** will keep Morehead City dancing, July 12–14, with concerts on two nights at the Crystal Coast Civic Center and a **Jazz Workshop** on Saturday night. Call 252-247-7778.

The **Raleigh Entertainment and Sports Arena** is having an indoor Beach Music Festival on July 15. **Beachstock 2001** will be presented by Oldies-100.7 and will feature **Chubby Checker, Clarence Carter**

the Finale to Beethoven's Symphony No. 9, featuring the Concert Singers of Cary. Associate Conductor William Henry Curry will direct. Call 919-733-2750 or 919-834-4000.

The **Raleigh Chamber Music Guild** has announced two concert series for its 60th anniversary season: the **Masters Series**, with internationally acclaimed chamber ensembles, and the **Sights and Sounds on Sundays Series**, featuring North Carolina-based artists. Following are the summer and fall concerts for the **Sights and Sounds Series**, to be presented at the **N.C. Museum of Art**:

- July 8—**Rioanji Duo**. Wilmington guitar/saxophone duo presents a world premiere by composer Jing Jing Luo.
- Aug. 12—**Clarino Consort**. New Bern-based early music group

and **Gen. Johnson & the Chairman of the Board**. Call 919-861-2300.

The always-popular **Cape Fear Blues Festival** will be held July 26–29 in various venues throughout Wilmington. Sponsored by the **Blues Society of the Lower Cape Fear**, it's a four-day celebration of local, regional and national Blues talent, featuring a Blues Cruise, Main Event Concert, a Blues Workshop and much more. Call 910-350-8822.

If you like gospel concerts, don't miss **Singing by the Sea** at the **Crystal Coast Civic Center** in Morehead City, Aug. 23. Call 336-342-1702.

GALAXIES OF GALLERIES

Gallery C in Raleigh is presenting a **Folk Art Celebration**, now through July 14. The new exhibition of folk

and outsider art will include both paintings and sculpture from some of the South's most important self-taught artists. Artists represented include Woody Long, Jimmy Lee Sudduth, Helen LeFrance, Harry Jennings, Calvin Cooper, Minnie Adkins, Bernice Sims and others.

And during the first three weeks of August, **Gallery C** will present a special exhibit, **Works from the Estate of George Poland** (1914–2000). Poland was an avid art collector throughout his life and his collection is a treasure of fine artworks. In conjunction with Poland's Estate, Gallery C will place on display and for sale paintings from Poland's collection by Claude Howell, Joseph Cox, Hobson Pittman and many others, August 1–21. The gallery reception will be on Aug. 1. Gallery C is located at 3532 Wade Ave. For information on both exhibitions, call 919-828-3165 or



Trawlers by Claude Howell from the Estate of George Poland at Gallery C



Umbrian Landscape by Bob Rankin is on view at the Little Art Gallery

visit <http://www.galleryc.net>.

The vibrant landscapes of Catawba County artist **Lorrayne Allen** will be displayed at **Collective Arts Gallery and Ceramic Supply** in Raleigh, July 7–27. Allen's landscapes and cityscapes incorporate a sense of movement and rhythm with splashes of color. The Hickory native is one of western North Carolina's most successful artists, having won honors from the Catawba Valley Arts League and the Rock School Arts Foundation. Collective Arts Gallery is located near the intersection of Six Forks and Strickland Roads in Raleigh, Call 919-844-0765.

The **Pasquotank Art Council Gallery** in Elizabeth City will host three simultaneous exhibits, July 16–Aug 4: paintings by **Sally Hoffman & Gene Jones**; Porcelain Dolls by **Ricki Pala**, and Sculptured Fabric Dolls by **Tanya Mallard**. From Aug. 13–Sept. 1, two new exhibits will be shown:

Back to Nature—Flora & Fauna—member paintings, photography, crafts; and **Hudson Williams—Carvings**. Call 252-338-6455.

ArtSource gallery in Raleigh will soon open an exhibition of new works by two North Carolina artists. The main gallery will feature simultaneously **Nora Hutton Shepard's** Images of Napa and **Sally Sutton's** Memories of France and Beyond. The exhibit will be shown July 16–Aug. 18. Meet the artists at the gallery on July 19. ArtSource is located in Five Points Village next to Bloomsbury Bistro. Call 919-833-0013.

The **Little Art Gallery** in Raleigh's North Hills Mall will open an exhibition of landscapes and abstracts by Raleigh native **Bob Rankin** with a reception on July 27. The show will continue through August. Artist/educator Rankin has been recognized on the Raleigh art

scene since the early '70s and has received the Raleigh Medal of the Arts and the N.C. Secondary Art Educator of the Year award. Call 919-787-6317.

It's time for the Arts Council of Moore County's 21st annual **Fine Arts Festival** in Southern Pines. And it's not too late to make submissions (limit two per artist). To submit your work, take it to the **Campbell House**, 482 E. Connecticut Ave., Southern Pines, July 21-27. An awards ceremony/reception is scheduled for Aug. 3 in the Campbell House Garden and entries will remain on display in the galleries during Aug. and Sept. **Denise Dickens**, executive director of Raleigh's Contemporary Art Museum, will judge the entries. For details about entering or for more information about the festival, call 910-692-4356.

SUNNY SUMMER SPORTS

Runners and watchers will be in for an exhilarating day when over 400 runners compete in the **Tri Span 10K & 5k Run** in downtown Wilmington on July 7. Call 910-251-9622.

The East Coast "**Got-Em-On**" **King Mackerel Tournament** will cast and reel at Carolina and Kure Beaches on July 13-15. Anglers from many states will be there, competing for cash prizes. Call 910-458-6729.

The **Edenton Bay Challenge**, open-class sailboat races, will set sail from Edenton on July 21 with finals on Sunday morning, July 22. Following the Challenge, the **Windmill Nationals** will also be held from Edenton on July 23-26. Both are nationally sanctioned races. Call 800-775-0111.

The Carteret County Sportfishing Association will hold its **King Mackerel Tournament** on July 20-22, headquartered at Town Creek Marina, Beaufort. Call 252-726-2543.

N.C. Ducks Unlimited will hold its **Band the Billfish Tournament** at Anchorage Marina on Atlantic Beach, Aug. 2-4. Call 336-668-2736.

There'll be kayak races, clinics and prizes at the 5th annual **Bogue Sound Kayak Festival** at Island Rigs, **Indian Beach**, on Aug. 4. Call 252-247-7787.



As graceful as swans, sailboats glide across the waters of Edenton Bay

The **Carolina Developmental Golf Tour 2001** will hold three tournaments in and around Wilmington, featuring **pro golfers** who are potential PGA, Senior PGA and LPGA players. Spectators are welcome: at the Players Club on St. James Plantation, Aug. 6-10; at Magnolia Greens Golf Plantation, Aug. 13-17; and at the Carolina National Golf Club, Aug. 20-24. Call 336-215-5867.

The sand will be shifting and sifting along the coast in August. On Aug. 18, the **OWLS Sand Sculpting University** will hold class at Atlantis Lodge on Pine Knoll Shores. Teachers will be **Team Sandy Feat**. Call 252-240-1200.

And the **Castles and Scoops Sand Sculpting Event** at Wrightsville Beach will be held Aug. 25. Businesses, civic organizations, groups and families will build sand sculptures with prizes in five categories. (Contestants will build ice cream sundaes while sculptures are being judged.) Call 910-254-3534.

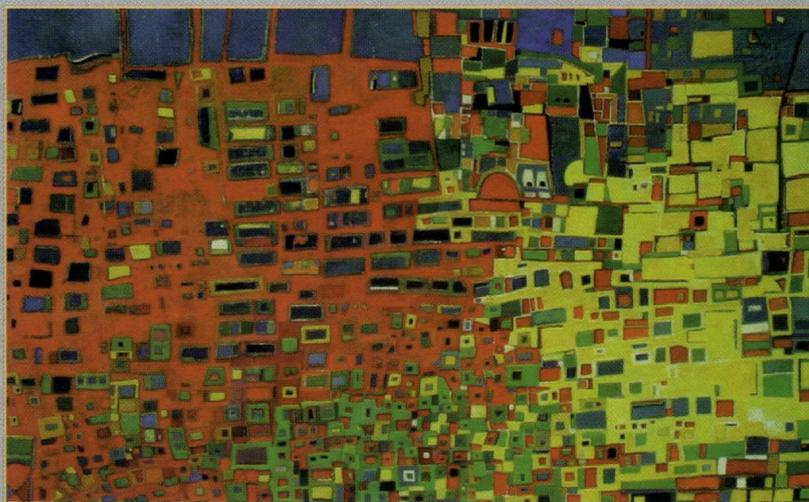
HOT DOINGS AT COOL MUSEUMS

The **Hubble Space Telescope: New Views of the Universe** continues until Sept. 3 at the **N.C.**

Museum of Natural Sciences in Raleigh. This traveling exhibition not only examines how the great telescope works but also gives you a tour of the Universe with a glimpse at planets, exploding stars, ancient galaxies and black holes, through videos and interactive displays. And be sure to mark your calendar for the summertime favorite, **Bugfest!** on Aug. 4. Call 919-733-7450 or visit www.naturalsciences.org.

The **N.C. Maritime Museum in Beaufort** is on the trail of Blackbeard and will take you along this summer. Afternoon cruises present a lecture in the museum followed by a narrated cruise aboard the **Lookout Express** to the shipwreck site of **Queen Anne's Revenge**. These lecture/cruises are offered every Monday, Wednesday and Friday now through October. Dinner cruises aboard the **Diamond City**, which is docked on the Morehead City waterfront, include a presentation by professional museum staff about Blackbeard, **Queen Anne's Revenge** and current dive updates. For cruises on the **Lookout Express** call 252-728-6997; for cruises aboard

David Leadman



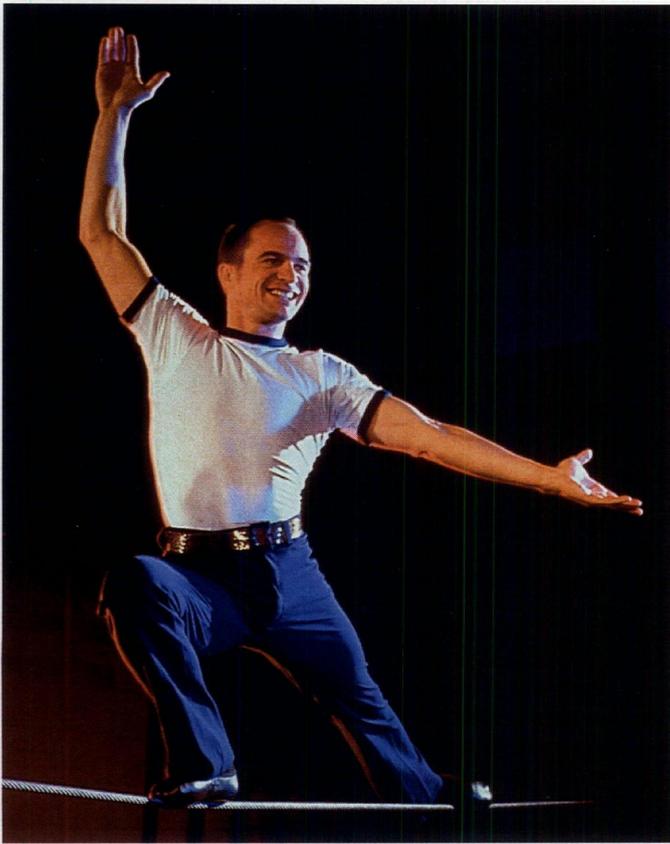
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oil on canvas

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COURTESY OF N.C. MUSEUM OF ART

Dancing on a high wire, tightrope walker David Dimitri laughs at gravity

call 252-728-6997; for cruises aboard *Diamond City*, call 252-728-2527.

The **North Carolina Museum of Art's Outdoor Season** in the Joseph M. Bryan Jr. Theater is underway in the Museum Park with an eclectic selection of musical concerts and a presentation by a popular European high-wire artist. European circus sensation **David Dimitri**, who performed at the museum last year in the much applauded French circus, *Les Colporteurs*, will return to present four performances of his one-man show and high-wire act, **Circus Factory**, July 19–22 in Raleigh.

And here are highlights on the museum's summer music scene: the fourth annual **Louisiana Dance Party**, featuring the Iguanas and Mel Melton & the Wicked Mojos, July 14; the **Texas Ranch House Party** with fiddler Johnny Gimble and Hot Club of Cowtown, Aug. 4; a **Polka Blast** with Brave Combo, Aug. 18; and the fifth annual **Celtic Wonders** concert, featuring Natalie MacMaster, Aug. 31. In addition, several concerts will be paired with thematically related films, and the

popular **Movies on the Lawn** series will feature classic and recent popular films. Call 919-715-5923.

The legendary **Ava Gardner**, one of the loveliest of Southern beauties, grew up on a tobacco farm in Grabtown community, seven miles east of Smithfield, and went on to become an icon of the film industry during the Golden Age of Hollywood. She is now honored at the **Ava Gardner Museum**, which has been recently relocated in downtown **Smithfield**. It contains newly designed exhibit panels in a 2200 square-foot gallery, a theater where visitors may enjoy a 15-minute video, extensive photography, memorabilia, costumes, scripts and clippings. The museum is open every day at the new location, 325 E. Market St. in Smithfield. Call 919-934-5830 or visit www.avagardner.org.

The **Greenville Museum of Art** has two new exhibitions on view through August 26. **K-12: Works by Pitt County Schools Art Students** will showcase works produced by all grade levels and selected by the students' art teachers. The other

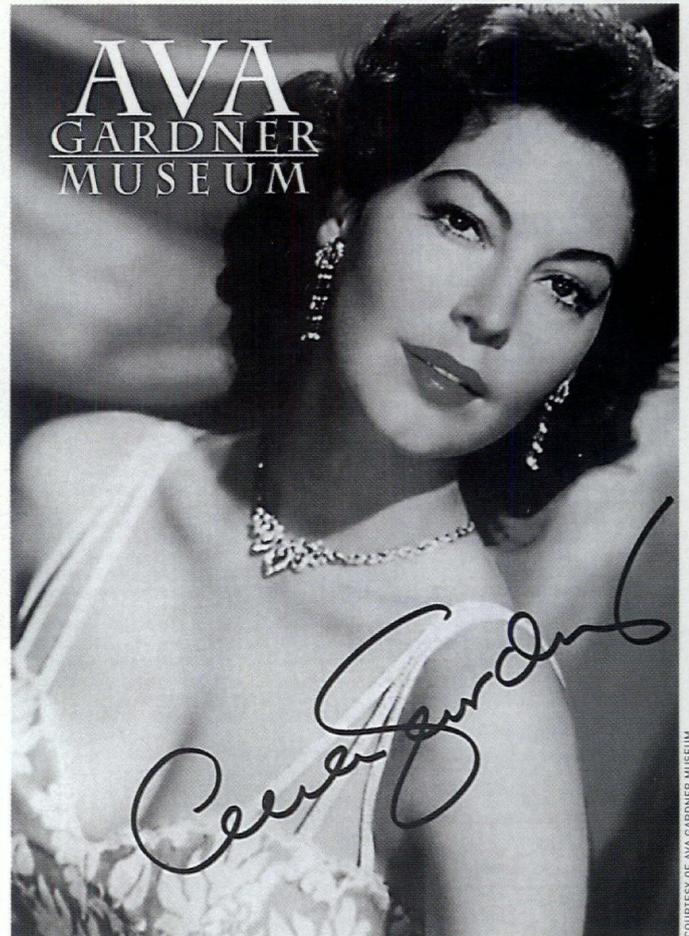
exhibition, **Home**, consists of ceramic teapots by East Carolina University School of Art senior **Holly Garroitt**. The Greenville Museum of Art is located at 802 S. Evans St. Call 252-758-1946.

The **N.C. Museum of History's** Summer Family Music Series will focus on **Appalachian Tales**, July 8. **Doug Elliott**, singer, storyteller and naturalist, will offer songs and stories about the animals and people living in the Appalachian Mountains, and on July 11 History à la Carte will take a look at **Downtown Raleigh**. **Melanie York**, educator at the Raleigh City Museum, will use slides, photographs and postcards to show the ongoing evolution of the city center. On August 4, Writer's Block will present author **Susan Byrum Rountree** with a reading from her new book, **Nags Headers**, that introduces the adventurous families who helped settle one of North Carolina's oldest beaches. A book signing will follow the program. And on a summer Sunday afternoon, Aug. 12, **Tuppence** will

entertain guests with a musical medley covering 400 years of North Carolina history, from the time of the Roanoke colony to the early 20th century. Call 919-715-0200.

SUMMER'S POTPOURRI

The **Wilson Library at UNC Chapel Hill** is celebrating the life and career of UNC alumnus Andy Griffith. Now through Aug. 22 the library will exhibit **Andy Griffith: Chapel Hill, Mayberry and Beyond**. On display will be photos, playbills, posters and recordings, including the perennially popular "What It Was, Was Football," the 1953 recording for Capitol Records that made him a national star. The tale was set in "a big ol' cow pasture" in Chapel Hill. Visitors can see memorabilia from *The Andy Griffith Show* as well as childhood photos from Mount Airy and shots of Griffith as a UNC student. Call 919-962-1172. **Durham Works**, a career explo-



COURTESY OF AVA GARDNER MUSEUM



Andy Griffith on a visit to UNC-Chapel Hill, 1978

ration project by youth, is exhibiting in the main branch of the Durham Public Library through July 31. The program is sponsored by the **Center for Documentary Studies** with support from the city of Durham. The library is located at 300 N. Roxboro St. Call 919-660-3676.

Note from the **Battleship U.S.S. North Carolina** in Wilmington: As announced in June Preview, the battleship's popular **Fabulous 50-Cent Fantail Film Festival** kicked off on June 8 with **Wizard of Oz**. However, because of many requests, *Oz* has been scheduled again on Friday, July 6—50 cents on the fantail of the battleship—so if you missed it or can't get enough *Oz*, call 910-251-5797.

Bring the children and be a child yourself again at the 4th annual **Doll, Toy, and Bear Show & Sale** on July 7 & 8 at the **Carolina Beach Recreation Center**. Vendors from all over the East Coast will be there. Call 910-791-6231.

Sundown is always a special time in summer. So Wilmington is having a **Sundown Shindig on the River** on Sundays during July & August. Festivities will include entertainment, arts & crafts, food vendors, and the spectacular **Cape Fear River sunset**. The Shindig will last from 4 p.m. until 8 p.m. Call 910-341-7857.

Staff and volunteers will be dressed as **confederate soldiers** and will demonstrate a 12-pounder Bronze Napoleon Cannon and a

24-pounder Iron Mortar at the **Summer Artillery Demonstration** on July 22 at **Fort Fisher Historic Site and Museum** near Wilmington. The Mortar will be live-fired with a ball! Fort Fisher is the only historic site in the state to "live-fire" artillery for the public. Call 910-458-5538.

Watermelons are ripe! On Aug. 1-4 **Murfreesboro** will celebrate the big guy of the garden patch with the sixteenth annual **N.C. Watermelon Festival**. Activities will include an antiques/collectibles/crafts fair, amusement rides, pony rides, street dances all four nights and mucho food, including free watermelon slices. A different band will play each night: The band of Oz (Wednesday), Billy Scott and the Georgia Profits (Thursday), Men of Soul (Friday), and Trouble (Saturday). Highlighting the festival on Saturday will be **North Carolina's largest agricultural parade**. Festivities will explode into a brilliant fireworks show on Saturday night. Call 252-398-5922.

The 44th Annual **Farmer's Day & Wagon Train Festival** is set to go

on Aug. 2-4 in Robbins. One of the highlights will be a parade of 600+ horses. Hundreds of people always turn out for the arts & crafts, music, carnival and street dance at this popular event. Things kick off on Thursday with **gospel music** at Robbins' depot. On Friday the **street dance** downtown will last from 6 p.m. until the first wee hour. And on Saturday attention will focus on arts & crafts and demonstrations, as well as the exciting parade. Prancing will begin at 11 a.m. Call 910-948-3746.

The historic **Revolutionary War** militia skirmish that left bullet holes (visible to this day) throughout the **House in the Horseshoe** will be reenacted August 4 & 5 at the historic Alston house north of Carthage. Call 910-947-2051.

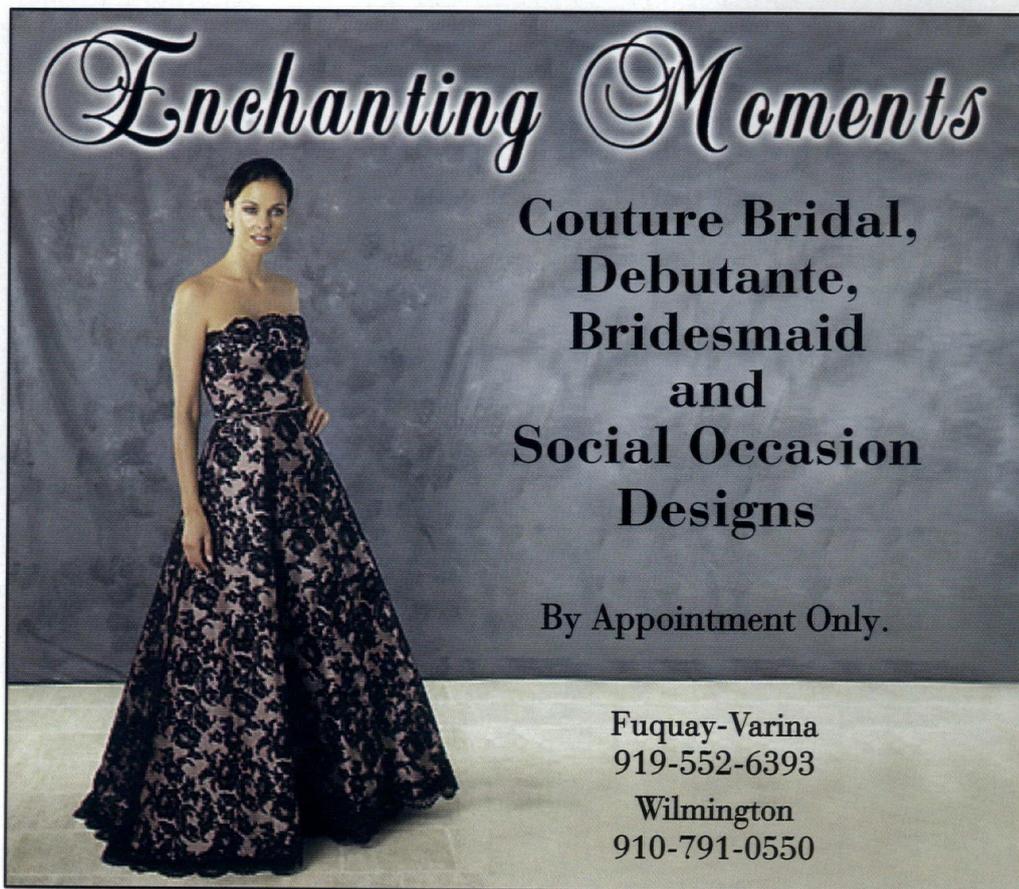
The **Perseid Meteors** are coming back! Every August they deliver one of the most reliable meteor showers of the year, averaging 60 meteors per hour. Without the bright light of the moon, even fainter meteor trails should be visible as the Perseids peak in the dark early morning hours of

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August 12. Join **Morehead Planetarium Director Dr. Lee Shapiro** for a public observing session at the Ebenezer Church Recreation Area, located at **Jordan Lake** in Chatham County, and catch one of the best shooting star shows of 2001. Reservations are encouraged. Call 919-843-7951 or visit www.morehead.unc.edu.

And at the **Planetarium** facility on the UNC-Chapel Hill campus, young stargazers can discover the planets of the Solar System and how they move through space on Aug. 18. **Make-A-Planet**, a hands-on program using modeling activities and visual presentations, will make the Solar System become real and exciting. Make-A-Planet is recommended for rising first and second graders. Because space is limited, pre-registration is required. Call 919-843-7951.

In the **Planetarium's Star Theatre** this summer through August 11 daily shows will feature "Solar System Adventure," "Earth, Moon and Sun," "Supernova," "Winnie the Pooh," and "Sky Rambles." Call 919-549-6863.

An **Old-Fashioned Farmer's Day** will be held Aug. 31-Sept. 2 at **G.T. Petty Memorial Park** on Silk Hope Road in Silk Hope. The day will bustle with fun-filled activities: antique cars, arts and crafts, music, contests, picnic food, a petting farm, as well as unique features such as a corn shredding exhibit, rock crushing, an antique tractor pull and a sawmill in operation. Call 919-742-5874 or 800-468-6242.

Pinehurst Resort is getting ready for its 13th annual **Labor Day Wine Festival**, Aug. 30-Sept. 3. On Sept. 1, a community-wide event will feature a seminar on the history of wine, a wine luncheon, a culinary seminar with demonstrations by the resort chef, a food and wine pairing and the grand tasting. At a Wine Mart, visitors may purchase wines of their choice. Call 910-295-6811. **MM**

EDITOR'S NOTE: Send information about your area's coming events (with or without color photos) to Frances A. Smith, events editor, Metro Magazine, 5012 Brookhaven Dr., Raleigh, N.C. 27612. Events for the September issue should arrive by Aug. 1. Email address: fsmith5@nc.rr.com.

AUTHOR SIGHTINGS

Summer is the season for reading and a visit to your local bookstore is also a sure way to beat the heat. Here are bookstores and other venues that will host readings and literary events during July and August. For more information call the venue directly.

RALEIGH

Barnes and Noble, 919-782-0030: Richard Smith, *One Stands Alone*, July 12; Jeffrey Leak, editor, *Rac[e]ling to the Right: Selected Essays of George S. Schuyler*, July 14; Alan Konell, *Partnership Tools*, July 19.

Quail Ridge Books, 919-828-1588: Tim McLaurin, *The River Less Run*, July 9; Ariel Dorfman, *Blake's Therapy*, July 10; John T. Edge, *Southern Belly*, July 11; Jeff Shaara, *Rise to Rebellion*, July 15; Dorothea Benton Frank, *Plantation*, July 16; Janet Lembke, *Touching Earth*, July 22; Alice Hoffman, *Blue Diary*, July 31; Judith Mercier, *Duck: An Outer Banks Village*, and Susan Byrum Rountree, *Nags Headers*, Aug. 2; Ann B. Ross, *Miss Julia Takes Over*, Aug. 3; David Payne, *Gravesend Light*, Aug. 8; Pamela Duncan, *Moon Women*, Aug. 9; Marian Keyes, *Last Chance Saloon*, Aug. 10; Richard Lischer, *Open Secrets: A Spiritual Journey*, Aug. 16; James Jeffrey Paul, Harry McCreedy, and Win Neagle, *Smoke and Gravity*, Aug. 23.

CARY

Barnes and Noble, 919-467-3866: Clint Johnson, *In the Footsteps of Robert E. Lee*, July 9; Steven Raichlen, *How to Grill: Barbecue Techniques*, July 11; discussion on "Science Fiction—From Books to Film" with John Kessel and Laura Boyes, July 18; James Patterson, *Suzanne's Diary*, July 20; Judith Mercier, *Duck: An Outer Banks Village*, and Susan Byrum Rountree, *Nags Headers*, Aug. 3; Max and Rosie Beeby, *Café Max & Rosies: Vegetarian Cooking*, Aug. 23.

DURHAM

Barnes and Noble, 919-419-3012: Lee Kennett, *Sherman: A Soldier's Life*, July 17; Judith Mercier, *Duck: An Outer Banks Village*, July 21; Eric Jerome Dickey, *Between Lovers*, July 25; Michele Andrea

Bowen, *Church Folk*, July 28; Susan Byrum Rountree, *Nags Headers*, Aug. 7; Harold G. Koenig, M.D., *The Healing Power of Faith*, Aug. 21; Janet Lembke, *Touching Earth: The Power of Gardening*, Aug. 25; Alan Konell, *Partnership Tools*, Aug. 28.

The Regulator Bookshop, 919-286-2700: Alice Hoffman, *Blue Diary*, Aug. 1; David Payne, *Gravesend Light*, Aug. 7; Pamela Duncan, *Moon Women*, Aug. 14.

PITTSBORO

McIntyre's Fine Books, 919-542-3030: James Morrison, *Broken Fever: Reflection of Gay Boyhood*, July 7; Lindley S. Butler, *Pirates, Privateers, and Rebel Raiders*, July 14; Roland Giduz, *Cameron Henderson on Chapel Hill*, July 21; Michael Parker, *Towns Without Rivers*, July 28; Ann B. Ross, *Miss Julia Takes Over*, Aug. 4; Pamela Duncan, *Moon Women*, Aug. 11; Lynne Hinton, *The Things I Know Best*, Aug. 18.

GREENVILLE

Barnes and Noble, 252-321-8119: Judith Mercier, *Duck: An Outer Banks Village*, July 2; Lynne Hinton, *The Things I Know Best*, Aug. 4.

ELIZABETH CITY

Page After Page, 252-330-4804: Jack Dempsey, *Women Who Would Vote*, July 11; Susan Byrum Rountree, *Nags Headers*, July 24; David Wright, *Fire on the Beach*, August 7.

MANTEO

Manteobooks, 252-473-1221: Suzanne Tate and James Melvin, *Jenny Jellyfish*, and *Soft Step & Bright Eyes: Native American Life*, July 3; members of St. Andrews By-The-Sea Church, *The Outer Banks Companion Cookbook*, July 4; Patricia C. Click, *The Roanoke Island Freedman's Colony: 1862-1867*, July 11; Mary Maden, *Outer Banks Adventure Series books*, July 11; Robert Drapala and Drew Pullen, *The Civil War on Hatteras Island and Portrait of the Outer Banks*, July 12; Elizabeth Whitley Roberson, *Tiny Broadwick: The First Lady of Parachuting*, July 18; Cheryl and Bruce Roberts, *Hatteras Keepers*, July 18; Janet Lembke, *The Restorative Power of Gardening*, July 19;

Margaret Hoffman, *Blackbeard: A Tale of Villainy and Murder*, July 25; Susan Byrum Rountree, *Nags Headers*, July 25; Lindley S. Butler, *Pirates, Privateers and Rebel Raiders*, Aug. 1; David Wright, *Richard Etheridge and the Pea Island Life-Savers*, Aug. 1; Chris Kidder, *Cape Hatteras National Seashore*, Aug. 8; Angel Ellis Khoury, *Manteo*, Aug. 8; David Poyer, *The Parting of the Waters*, Aug. 10; Jewel Cammarano, *Beach Cuisine and Lean Beach Cuisine*, Aug. 15; Robert Drapala, *The Civil War on Hatteras Island and Portrait of the Outer Banks*, Aug. 22; Clint Johnson, *In the Footsteps of Robert E. Lee*, Aug. 24; Tony Peacock, *Sidney Langston*, Aug. 27.

MOREHEAD CITY

Dee Gee's, 252-726-3314: Elizabeth Whitley Roberson, *Tiny Broadwick: The First Lady of Parachuting*, July 7; Susan Byrum Rountree, *Nags Headers*, July 26.

SOUTHERN PINES

The Country Bookstore, 910-692-3211: Tony Peacock, *Sidney Langston*, July 6; Elizabeth Whitley Roberson, *Tiny Broadwick: The First Lady of Parachuting*, July 25.

WILMINGTON

Bristol Books, 910-256-4770: Michael Parker, *Towns Without Rivers*, July 21; Susan S. Kelly, *Even Now*, July 24; Brenda Jernigan, *Every Good and Perfect Gift*, July 25.

OTHER VENUES AND EVENTS

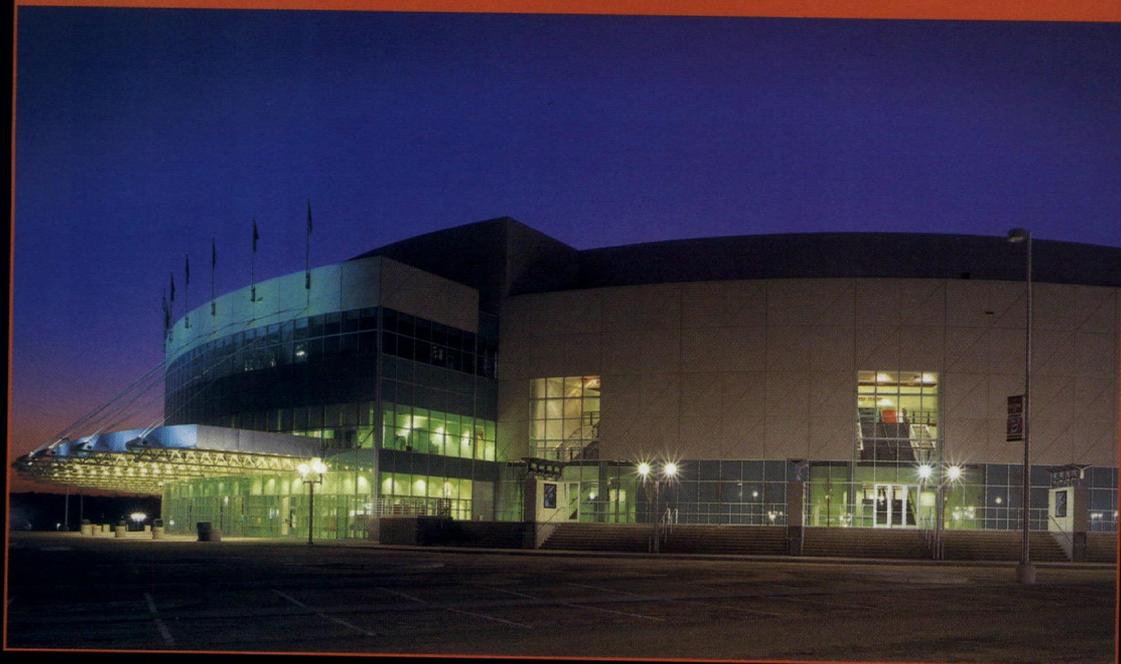
The Cave, Chapel Hill: Literary Night open mike readings, July 17 (and third Tuesday of each month).

Shepard-Pruden Library, Edenton: Margaret Hoffman, *Blackbeard: A Tale of Villainy and Murder*, July 19.

University of North Carolina, Chapel Hill, 919-962-1544: "The American West in History, Literature, and Imagination," *Adventures in Ideas* series. Faculty includes Doris Betts, Clyde Edgerton and others. \$210, July 19-21.

—Art Taylor

NOTE: To have your readings schedule included in Metro, fax information to 919-856-9363 or email MetroBooksNC@aol.com one month before issue publication.



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Special section showcasing an editorial and photographic tour of new or renovated home as well as new product design and trends.

Spotlight on the N.C. Ballet

Coming in October...

Special sections on education & the State of the Arts

Coming in November...

The Holiday Gift Guide & MetroDécor

Metro

Advertising information.

1 HIGH-TECH

Metro's

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2001

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Branching out

A MORE BALANCED HIGH-TECH ECONOMY KEEPS REGION MOVING AHEAD

Of the fall of the economic blues, the ensuing winter of high-tech discontent and the spring of "dot com" bust have demonstrated anything, it is the resilience and maturity of the Triangle's economy.

A year ago the high-tech and dot-com craze was growing as fast as kudzu. Rising interest rates, a falling stock market, the reality that many "dot coms" weren't worth as much as the napkins their business plans were written on and other factors set off a chain reaction that has people still talking about the dreaded *r* word—*recession*.

"This is largely a fed-created slowdown," says Dr. Michael Walden, economics professor at N.C. State, of the Federal Reserve Board. Determined to control growth and avoid inflation, Alan Greenspan and company "slowed growth too much." Instead of reducing growth to 3 percent from 6 percent annually, "It went from 6 to 0."

The economic fallout certainly hit the Triangle and points east. High-tech leaders such as Nortel, Cisco and Ericsson—some of RTP's crown jewels—collectively cut thousands of jobs. Many firms joined the lay-off parade. Several dot coms filed for bankruptcy or just disappeared.

But as serious as the hard times have been, Walden says the Triangle is in far better shape to deal with it and bounce back. "It's not like we are relying on Big Blue, as people used to say 25 years ago," he says, referring to IBM. Government and the universities provide more underpinning for the economy as well, he adds.

Tom D'Alanzo, former president of Glaxo (now GlaxoSmithKline) and PPD Pharmaceuticals in Wilmington, agrees that the region has "developed more balance." Now a member of the Poyner & Spruill law firm in Raleigh, D'Alanzo works with a wide variety of entrepreneurs and start-up companies who hope to become the next SAS or Triangle Pharmaceuticals, sees the growing bio-tech, life sciences and still vibrant high-tech sectors as giving the Triangle staying power.

Statistics reflect the region's importance to North Carolina. The state's biotech sector, most of which is in the Triangle region with significant presence in Wilmington and Greenville, continues to grow. A recent study by Ernst & Young ranks North Carolina fifth nationally as a center for private and public biotech companies only behind New England, San Francisco, San Diego and the Mid-Atlantic region.

RTP area companies also account for nearly half the state's 132,000 high-tech jobs. The Research Triangle Park Foundation estimates those jobs generate an annual payroll of \$2.7 billion. That's a far cry from the four companies and 500 employees of 1960 in RTP proper.

In turn, the companies employing these people have helped attract supporting infrastructure, such as venture capital firms, law firms focused on protecting intellectual property and patents, and even public relations agencies.

"You can't have all these companies without the help of others to get started," says Jim O'Brien, also an attorney at Poyner & Spruill who helps firms get started and locate venture capital or other funding. And, he adds, "The good deals are still getting funded."

In compiling its second "High-tech 100" issue, *Metro Magazine's* team of experts took a broader view of the economy as well. Recognizing that the high-tech and biotech sectors don't exist in a vacuum, *Metro* has revamped and expanded its categories for 2001 to include venture capital, high-tech focused law firms, and publicity and marketing firms.

The Triangle's patent business is booming. Venture funding set a record in 2001, some new funds were launched, and companies can still get financing. RTP's increasing profile as a high-tech center also has created an upsurge in the number of PR-related firms.

The "High-tech 100" remains focused on what our panel believes are the cutting-edge companies in the region. But those three new categories and additional number of firms reflect their importance to the overall picture.

Categories for 2001 include:

- Biotech, pharmaceutical and life science
- Manufacturing
- Software
- Telephony/wireless/Internet
- Web/Internet publishing
- Information technology and services
- Online shopping
- Games and entertainment
- Web site development, hosting and consulting
- Venture capital
- IP and patent law firms
- Public relations and marketing

Assisting *Metro* in making the magazine's selections were:

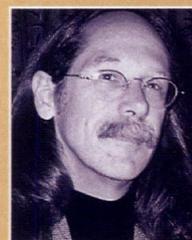
- **Paul Jones**, one of the creators of *ibiblio.com*, "the public's library" at UNC-Chapel Hill where he also teaches and is director of the UNC meta lab
- **Rebecca Antonelli**, president and chief executive officer of TrianglePR and AmericaPR
- **Dan Allred**, director of strategic program development for the Council of Entrepreneurial Development
- **Ben Brooks**, founder of Southern Capitol Ventures and a Triangle entrepreneur
- **William Dunk**, head of William Dunk Partners, an international consulting firm based in Chapel Hill

- **Frank Taylor**, Triangle entrepreneur and investor who founded TriNet Services and Starport.com
- **Barry Teater**, director of corporate communications for the N.C. Biotech Center

Criteria for selection included many factors just beyond the number of employees, such as: having headquarters or a significant operation in the region; being involved in cutting-edge technology research, development and production; being a startup with an intriguing concept which could have impact on the marketplace; and delivering high-tech services across much of the region.

While most companies selected are from the Triangle, others from Fayetteville and Wilmington also made the cut.

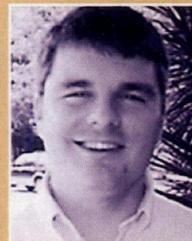
The panelists:



Paul Jones



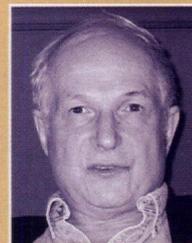
Rebecca Antonelli



Dan Allred



Ben Brooks



William Dunk



Frank Taylor



Barry Teater

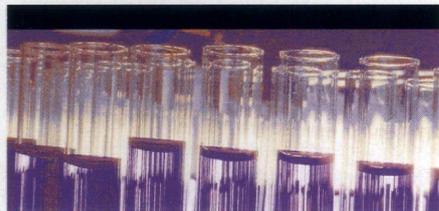
The High-tech 100 certainly represents a vast cross-section of the economy—from medical discoveries being made at the region's biotech and pharmaceutical firms to the design and construction of micromachines, which someday could make today's cellular phones even smaller and more powerful.

Not included in any list but deserving of recognition for high-tech contributions are the medical schools at Duke, UNC-Chapel Hill and East Carolina, all of which are sources for innovation and new companies. Research Triangle Institute also continues to grow and recently announced a new means of removing sulfur from gasoline.

"The thing that has really gotten the biotech sector off the ground here is the incredible science being developed at the three universities," D'Alanzo says.

RTP's universities plus Eastern Carolina and UNC-Wilmington are generating more of the technically proficient graduates eagerly sought by high-tech companies in addition to patents, research and development projects, and new companies. Many of the companies acknowledged by *Metro's* panel trace their roots back to NCSU, UNC or Duke. Others were spun off by MCNC or helped along the way by the N.C. Biotech Center.

Looking ahead, Walden, the economist, sees the Triangle starting to bounce back. "The Triangle economy is still one of the better ones in the country," he adds. "It has gotten more diverse, but we are not totally shielded. ...There is light at the end of the tunnel." □



Bionic biologists

TRIANGLE'S BIOTECH, LIFE SCIENCE INDUSTRIES COVER WIDE SPECTRUM

Max Wallace, an entrepreneur who says he knows nothing about science, has started other companies before. But getting involved with Cogent Neuroscience has him as excited as a first-year business student.

Dr. Richard Mailman, a neuroscientist at the University of Chapel Hill, knows little about business. But his study of the brain led him to help form a company, DarPharma. Today, he is learning how to be a businessman.

These men from opposite backgrounds have one goal: helping their companies discover ways to treat diseases of the human brain.

Mailman kept a huge audience spellbound at a recent investors' conference as he showed an amazing video of a monkey afflicted with Parkinson's Disease rapidly recover muscle control after being treated by a proposed drug.

"My wife asks me every day when we are going to do clinical trial," says Mailman. She recently met Muhammad Ali who is battling the disease.

Wallace, meanwhile, is managing the business

side of Cogent, which was the idea of two professors at Duke University, Leonard Katz and Donald Lo. "I'm the theater producer," Wallace says. But he knows what the goal is: finding ways to prevent stroke and to help people recover from strokes through the study of genomic science. Cogent also is tackling Parkinson's and Alzheimer's.

The two companies symbolize the depth and breadth of bioscience, life science and pharmaceutical companies in the Triangle and Eastern North Carolina. From giants such as GlaxoSmithKline and Bayer to newcomers such as Cogent and DarPharma, doctors, scientists and thousands of workers are tackling issues from AIDS to immunization and gene-sorting of poultry eggs.

To get an idea of the scope of the work being done in the region, consider the following companies and snapshots of their efforts.

Biogen is proceeding with development of an anti-psoriasis drug called Amevive. The company maintains a large facility in RTP.

Closure Medical Corp. is living up to its name, making progress in selling its medical tissue cohesive material to seal wounds and incisions without stitches. Its so-called cyanoacrylate technology is proprietary.

Embrex continues to add more products and services for its automatic egg vaccination systems that services the poultry industry. In March the firm won a patent for its gender-sort technology.

Inspire Pharmaceuticals, another publicly traded company, has targeted a means of earlier detection and diagnosis of lung cancer. Inspire now has two products in Phase III trials.

Merix Bioscience is also seeking to develop immunotherapy treatments for cancer.

Nobex hopes to provide rapid-acting oral insulin for diabetics and has completed a series of trials.

Norak works with gene receptors to treat diseases.

Pharmaceutical Product Development (PPD) of Wilmington contracts with other companies to offer drug discovery and development support.

Paradigm Genetics is a publicly traded genomics company and has beaten Wall Street earnings while

also exceeding milestones in progress for projects with partners such as Monsanto.

Pozen, which also is publicly traded, has several therapeutic drugs for treatment of migraine headaches undergoing clinical trials.

Quintiles, also public, has several projects underway, including product development and research, for pharmaceutical, biotech and medical device clients.

Salix Pharmaceuticals' target is drugs for the treatment of gastrointestinal diseases.

Stemco Biomedical, a spin-off of Duke Medical Center, is seeking ways to utilize so-called stem cells for the treatment of cancer. But stem-cell research is highly controversial, given that some are drawn from umbilical cords. Anti-abortion activists have seized on the use of human embryo stem-cell research, and the Bush Administration is reviewing the practice. [Another Triangle firm focused on stem cells is Artecet.]

Triangle Pharmaceuticals, which is traded on NASDAQ, is moving closer to approval of Coviracil, an anti-HIV drug. The drug has completed two Phase III clinical trials.

Trimeris, another public company listed on NASDAQ, also has targeted HIV, or AIDS. Clinical trials are proceeding, and the company recently raised \$43 million through issuing new shares of stock to pay for the testing. Trimeris also is targeting the blockage of viral infections by inhibiting viral fusion with host cells.

United Therapeutics, which recently moved its headquarters to Maryland but retains clinical development facilities in RTP, has a product awaiting FDA approval. Called Remodulin, the drug will treat arterial hypertension. It is expected the drug will hit markets soon. United is publicly held.

Xanthon recently was awarded a patent in Australia for a new means of detecting molecular interactions. Xanthon is focused on electrochemical detection as part of DNA and RNA analysis.

There are many more companies and not all could make this year's list. Others are sure to be launched as further research is made into the human genome. □

BIOTECH AND PHARMACEUTICAL COMPANIES TO WATCH

Biogen	www.biogen.com
Closure Medical Corp.	www.closuremed.com
Cogent Neuroscience	www.cogentneuro.com
DarPharma	www.darpharma.com
Embrex	www.embrex.com
Endeavor Pharmaceuticals	www.endeavorpharm.com
GlaxoSmithKline	www.gsk.com
Inspire Pharmaceuticals	www.inspirepharm.com
Norak Bioscience	www.norakbio.com
Nobex Corp.	www.nobexcorp.com
Paradigm Genetics	www.paragen.com
Pozen	www.pozen.com
PPD, Inc.	www.ppdinc.com
Quintiles	www.quintiles.com
Salix Pharmaceuticals	www.salixltd.com
StemCo Biomedical	www.stemcobiomedical.com
Triangle Pharmaceuticals	www.tripharm.com
Trimeris	www.trimeris.com
United Therapeutics	www.unither.com
Xanthon Inc.	www.xanthoninc.com



Heart of the machine

TRIANGLE A GROWING HOME FOR CHIP MANUFACTURERS

The world's computer chip market seems flooded in silicon these days, but the growing number of firms focusing on the brains of everything from toasters to cell phones seems to defy the trend.

Chip companies had a record year in 2000 with better than \$200 billion in sales, according to *BusinessWeek*. But the same publication estimates the economic downturn will trigger a 20 percent drop in chip purchases in 2001.

Despite the bleak picture, **Unitive Advanced Semiconductor Packaging** not only secured more than \$40 million in financing recently but also plans an aggressive expansion of its chip capability. Unitive already has one plant in Taiwan and another in RTP. It plans to build a third in the western United States.

"Smaller, faster, lighter" is the theme at Unitive, which has found unique ways to package, stack and manufacture chips. These chips also use less power. Among their biggest believers is chip giant Fairchild Semiconductor, which has invested in the company.

Unitive believes that its chips will be especially effective in enabling the next generation of cell phones and hand-held computers.

Net Octave, meanwhile, is rapidly developing silicon-based network security solutions. The company plans to have its first products on the market by this fall. Potential customers are looking to protect data being sent over data and telephony networks as well as their own virtual private networks.

And **Coventor** in Cary is not building chips per say but is working on MEMS (micro electro mechanical machines, also known as micromachines) technology. These machines, which Coventor believes have more high performance capabilities than silicon semiconductors, not only will help make devices

such as cell phones smaller but are also capable of greater functionality while using less battery power.

Coventor also believes MEMS will increase the transmission range of radio frequency devices, such as phones and handhelds. And as telephone networks come to rely more and more on high-speed optical switches, Coventor is seeking to incorporate its MEMS in the devices. It is talking with as many as 25 companies about how MEMS can be beneficial.

A startup to monitor is **Nitronex Corp.**, which is the first semiconductor company to focus on chips that include gallium nitride.

While **Cree Inc.**, stock has suffered during the slowdown, it remains a significant player in the LED (light-emitting devices) market for the faces of cell phones and other devices.

Outside of chips, the region has numerous other start-up and existing powerhouses in manufacturing that bear watching.

3TEX, for example, recently was featured in *Fortune Magazine* for its innovative means of manufacturing composite fabrics. The NCSU spin-off not only has designed body armor but also huge, stronger wind turbine blades.

While other big companies such as Nortel and Cisco have had to lay off thousands, **IBM** managed to escape most of the fallout and still has 14,000 employees in the Triangle. Its Triangle-area facilities remain among the company's largest and features research-and-development, manufacturing and professional services divisions.

Lord Corp. in Cary is a world leader in vibration control technology.

Micell Technologies and its sister company, Hangers, continue to exploit advances made in the use of CO2 for dry cleaning.

And **Elumens** is patenting more technology related to its so-called vision dome technology which adds a new dimension to 3-D.

Several interesting companies to follow include **Flogic**, which has developed automatic water shut-off valves; **Sicel**, which has a plant in Rutherfordton producing cancer sensors; **TriVirix International**, which produces medical devices for other companies under contract; phone equipment manufacturer **Tekelec**; and **HomeDirector**, which has gone through a series of extensive layoffs but remains a significant force in the home networking market. □



Code talkers

FROM SMALL TO LARGE, SOFTWARE FIRMS FIND SUCCESS STAYING PRIVATE

Software companies in Research Triangle Park need look no further than SAS to see that success can come without taking a company public.

While Jim Goodnight plans to take **SAS** onto the stock market in the next year or so, the software giant remains profitable, hopes to grow revenues in double digits in 2001, and is running an expensive media campaign featuring the slogan "The Power to Know." Even Amazon.com, the international online retail outlet, uses SAS software to learn more about its customers.

Goodnight also spun off a new company, **iBiomatics**, to capitalize on the need for extensive software to manipulate the mammoth amount of data generated by genomic research. (**Metagenix** is another RTP firm targeting the genome.)

A number of other Triangle firms are profitable and continue to grow—although hardly on the scale of SAS.

Rashid Khan, a native of Pakistan, has grown **Ultimus Software** into a \$6 million-a-year company with 80 employees and partners from here to Pakistan. Many of his primary programmers for Ultimus' Workflow software, which improves project management and internal communications among other things, are in Pakistan.

To reward his employees for another profitable year, Khan recently took the U.S. team to Disney World—all expenses paid—for a vacation. Folks overseas reaped bonuses.

"Ultimus employees earned it fair and square," Khan says. "No one can survive without valuing its employees, and Ultimus is no exception."

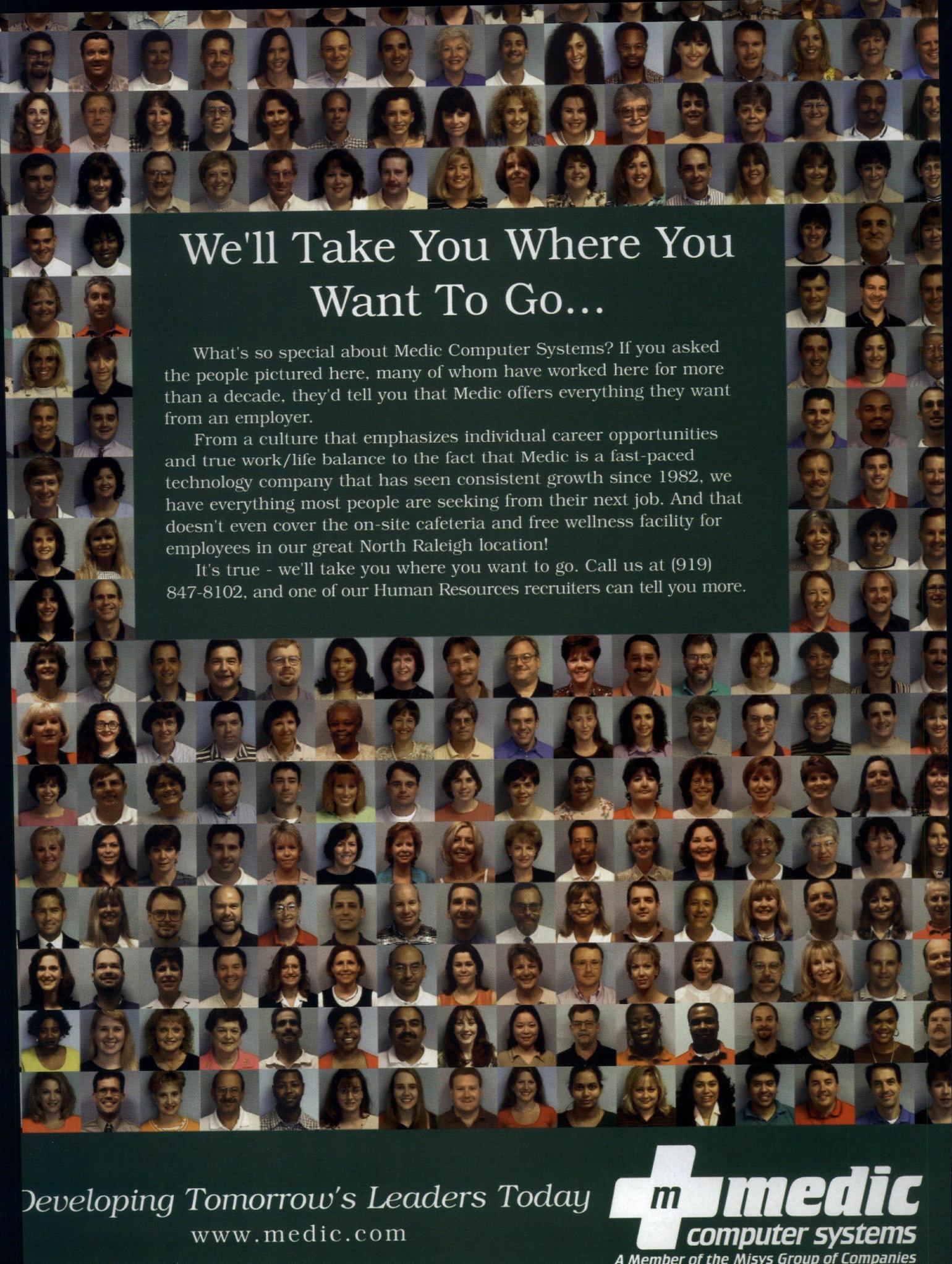
Will Ultimus ever go public? "All great football coaches advise their teams to play one game at a time during the season, and not to worry about the Super Bowl," he says. "Ultimus plays one game at a time. Today our game is to meet our growth objectives for 2001. ...When the time is right for an IPO, we will know and Ultimus will have everything in place when the timing is right."

Kelly Campbell, meanwhile, continues to grow privately held **Interface Technologies**, that develops custom software for clients. Campbell keeps a tight rein on growth, contracts and revenue, insisting that firms pay cash for work done. His intent from the start has been to keep control of the company and to shun any outside financing.

A father-and-son team is taking a crack at building their own software success story. Jim Clary, a former vice president at Research Triangle Institute, and his son Greg are developing, at **Mi-Co** wireless, products that capture and send signatures and hand-written notes or drawings over

HIGH-TECH MANUFACTURING COMPANIES TO WATCH

3TEX	www.3tex.com
Coventor, Inc.	www.coventor.com
Cree Research	www.cree.com
Elumens Corporation	www.elumens.com
Flogic	www.flogic.com
Home Director	www.homedirector.com
IBM	www.ibm.com
Lord Corporation	www.lord.com
Micell Technologies	www.micell.com
NetOctave	www.netoctave.com
Nitronex Corp.	www.nitronex.com
Sicel Technologies	http://centennial.ncsu.edu/directory/cqu/sic.htm
Tekelec	www.tekelec.com
TriVirix International	www.trivirix.com
Unitive Electronics	www.unitive.com



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corporate networks or to other wireless devices. Mi-Co is aggressively seeking venture funding to expand its growth.

While Jim is providing the executive expertise based on his RTI career, Greg leads the way as chief technical officer. Based on knowledge gained in part at IBM, Greg is pushing the envelope for wireless software. Mi-Co recently announced a partnership with IBM and unveiled in June a monthly fee-based service [\$3.95] for wireless note delivery.

Tom and Paula Droege continue to operate **Droege Computing Services**, a 16-year-old specialty software and services development firm that has grown to 10 employees and expects to top \$1 million in revenue for the first time this year. Tom is president; Paula acts as treasurer and chief financial officer.

Regardless of ownership, the Triangle area features a number of other successful and potentially successful software companies. Last year, *Metro's* High-tech 100 included 16 companies. This year there are 25.

Plurimus, for example, has discovered ways of mining Internet traffic regarding sites visited and other end-user habits while protecting the identity of individual users. Plurimus believes companies will pay to get access to that data.

TogetherSoft, as indicated by its name, has developed programs that enable developers and other workers in different departments to collabo-

SOFTWARE COMPANIES TO WATCH

3dVillage	www.3dvillage.com
3rdTech	www.3rdtech.com
BlueBolt	www.bluebolt.com
Droege Computing	www.droegecomputing.com
FullSeven Technologies	www.fullseven.com
Global Prime Technologies	www.globalprime.com
Hidden Mind	www.hiddenmind.com
iBiomatics	www.ibiomatics.com
Interface Technologies	www.iticentral.com
LIPsinc	www.lipsinc.com
Live Wire Logic	www.livewirelogic.com
MDeverywhere	www.mdeverywhere.com
Metagenix	www.metagenix.com
Mi-Co	www.mi-corporation.com
Microedge	www.slickedit.com
MicroMass Communications	www.micromass.com
Plurimus	www.plurimus.com
Red Hat	www.redhat.com
Relativity	www.relativity.com
SAS	www.sas.com
TogetherSoft	www.togethersoft.com
Ultimus Software	www.workflowzone.com
Windwire	www.windwire.com
Vision Factory	www.visionfactory.com
YOUcentric	www.youcentric.com

rate on projects through one interface. The idea is to create a "Zen-like" state of mind within a company or among partners as a project develops.

3DVillage, a spin-off of the old Virtus software

company, continues to provide new applications for 3-D software applications. 3dVillage is moving to capitalize on the medical market, hoping its 3-D rendering will assist researchers and physicians.



Technology Innovations from a leader in Higher Education

At the University of North Carolina at Wilmington, students have the opportunity to develop technology skills relevant to their academic programs through the use of online forums, online library resources, Internet research and a variety of other options for collaborating and learning. Through the efforts of the Information Technology Systems Division, UNCW has developed a technology-rich environment through its "Universal Access Plan" to give students and faculty access to computer labs, a wireless campus network and high-quality support. UNCW was the first regional comprehensive public university to establish technology competencies for each academic discipline.

UNCW, technology innovations from a leader.



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UNCW at <http://www.uncwil.edu>

UNCW is an EEO/AA Institution

Relativity continues to find success in modernizing old enterprise software at companies, such as payroll systems.

And **FullSeven** technologies has developed software that turns old-fashioned text-based e-mail into a multi-media presentation.

MEverywhere continues to tout software that keeps physicians up to date with patient information, from treatment updates to warnings about reactions to medication.

Windwire has developed means of delivering advertising via the wireless Web.

MicroMass Communications is making headway in customer relationship marketing, or CRM. Helping companies put in one place all information regarding a customer or client can improve communication—and prevent relationships from deteriorating because one department doesn't know everything about the customer another department does. MicroMass recently won an award for a project it developed with GlaxoSmithKline.

MicroEdge's Visual Slick Edit version 6.0 recently was recognized as a best-selling software. Slick Edit is for programming editors who need to compare various aspects of projects that are underway which may be using other tools and programming languages. By the way, Clark and Jill Maurer run the company. He's head of technology; she's the CEO.

HAHT Software, a High-tech 100 member last year, pulled back from an IPO. Red Hat, meanwhile, recently posted its first profitable quarter. □



Wired for wireless

LURE OF WIRELESS ATTRACTS RTP FOCUS

From a startup company that wants to turn PCs into high-definition televisions to some of the biggest companies in the Triangle, wireless technology has proved to be an irresistible lure.

But those firms venture there knowing considerable risks are at stake.

Dewey Weaver built **AccessDTV** around the concept of delivering high-definition television signals wirelessly to computers. His company builds the cards and software necessary to transform PCs into TVs.

The HDTV marketplace has gotten off to a slow start, even in the Triangle where Jim Goodman's WRAL HDTV became the first commercial station to go on the air five years ago. Goodman and his family-owned Capitol Broadcasting have invested in Raleigh-based AccessDTV, and Weaver's firm is delivering hardware.

Capitol also launched a digital data broadcasting company, **DTVPlus**. Led by Sam Matheny, DTVPlus has used portions of the HDTV bandwidth to deliver information from complete newscasts to sports and

weather news to PCs equipped with special antennas and cards.

The three firms are betting that HDTV will catch the public's fancy, with AccessDTV and DTVPlus capitalizing on the benefits of digital TV and wireless data transmission without end users having to buy expensive HDTV sets.

Another company betting its future on wireless growth, but with a different spin, is **SpectraSite Communications** of Cary. Steven Clark has built the company into one of the world's largest cellular telephone tower companies.

However, as cellphone growth rates have slowed and as the next generation of digital phones and services (called 3G) have failed to take off, SpectraSite has suffered. Clark continues to add towers to his company's international portfolio even as the company's stock has dropped—as has that of most of its major competitors.

Sprint PCS, which was the first wireless carrier to send data to cellular phones, has bold plans to deploy 3G services beginning this year. The term 3G refers to high-speed delivery of voice, data and even video to appropriately equipped hand-held computers,

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TELEPHONY, WIRELESS, NETWORKING COMPANIES TO WATCH

AccessDTV	www.accessdtv.com
BellSouth	www.bellsouth.com
BTI	www.btitele.com
Cisco Systems	www.cisco.com
Ericsson	www.ericsson.com
MCNC	www.mcnc.org
Madison River Communications	www.madisonriver.net
Nortel	www.nortel.com
Overture Networks	www.overturenetworks.com
Silicon Wireless Corp.	silicon-wireless.com
SpectraSite	www.spectrasite.com
Sprint & Sprint PCS	www.sprint.com, www.sprintpcs.com
Talking Nets	www.talkingnets.com
TimeWarner Telecom & Internet	www.twtelecom.com, www.nc.rr.com
WinCom System	www.wincomsystems.com
WRAL Digital & DTV Plus	www.wral.com, www.dtvplus.com

paggers and cell phones. Most current cell phones are digital, or 2G or 2.5G, but are unable to handle data faster than slow landline modems.

Several Triangle companies which have absorbed large losses and had stock prices stumble as part of a general telecommunications slowdown also are betting heavily on wireless networks.

Nortel is pouring tremendous resources not only into 3G equipment and support; it also is invested heavily in wireless data networking. **Cisco's** wireless networking unit is based in RTP. Both companies also have major stakes in the wireless Internet and

the potential conversion of telephone networks to handle VOIP (voice over Internet Protocol, or digital, packet networks as opposed to existing analog).

Ericsson has made numerous layoffs at its RTP facility, just like Cisco and Nortel. The wireless phone and telephony equipment manufacturer has seen considerable erosion in its market share, and questions remain about so-called Bluetooth wireless technology, a strategy Ericsson has firmly embraced.

The telephone companies haven't escaped hard times, either. But they are moving ahead aggressively to offer new and faster services.

Sprint, which covers most of Eastern North Carolina, is moving toward deployment of a packet-based network. Sprint also is greatly expanding its offering of high-speed Internet access for homes and businesses called DSL (digital subscriber line).

BellSouth, meanwhile, recently announced it would be working with Cisco to deploy VOIP technology. The decision was seen as a major boon for Cisco.

Madison River Communications in Mebane has completed its own fiber-optic backbone and is touting delivery of digital ATM technology to businesses at lower costs. The company is not embracing VOIP.

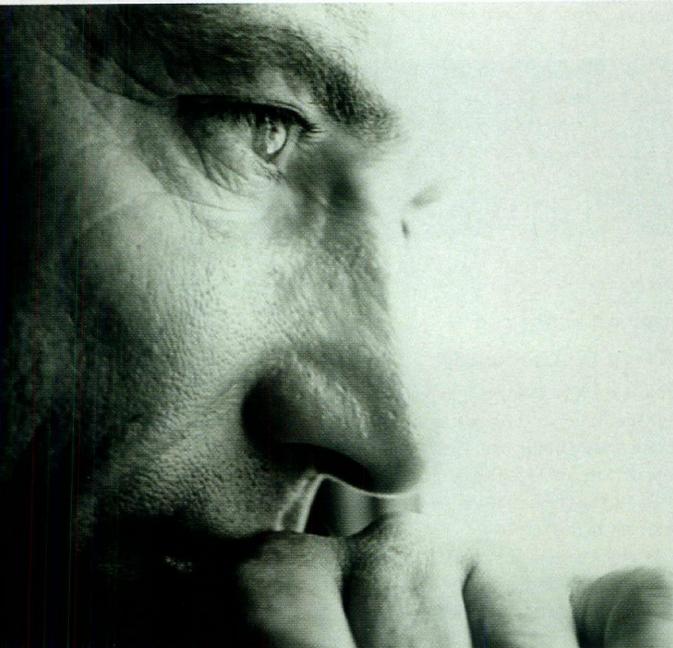
The year 2000 was a difficult one for **BTI**, and founder Pete Loftin gave up his hold as majority stockholder in order to secure additional financing. However, BTI has completed its own fiber network and continues to put more emphasis on data services, which many analysts see as the growth market for telecommunications.

TalkingNets of Wilmington is heavily tied to VOIP technology and is rapidly expanding its network of services.

TimeWarner Telecom is rolling out telephone services over its cable TV infrastructure to compete with the telephone companies—especially for business. On the Internet side, its RTP high-speed cable service, Road Runner, continues to grow at a fast pace, making it one of TimeWarner's best performing units. Road Runner is becoming widely available in the company's eastern North Carolina markets.

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MCNC, meanwhile, is flush with cash from the spin-off of a subsidiary company focused on high-speed networking and is making an expanding research-and-development effort for high-speed networking and supercomputing. Thom Dunning heads up MCNC's growing operation.

Several new companies are making plays on the networking side as well.

Silicon Wireless Corp., a spin-off of N.C. State, is developing means to improve wireless transmission capability. **WinCom Systems** sells high-speed Internet networking systems. And **Overture Networks** launched last September to build high-speed optical IP networks. **Hatteras Networks**, meanwhile, recently dropped its ATM research to focus on VOIP. □



Media war survivors

NOT ALL WEB PUBLISHERS HAVE FAILED

When it comes to staying alive as a publisher on the Web, each staff deserves a spot on *Survivor*.

Of all the "dot com" companies ravaged by the market implosion, online publications and divisions have been especially hard hit.

LocalBusiness.com, a popular business site especially for Triangle news, went bankrupt earlier this year. TotalSports disappeared. Community software publisher Koz declared bankruptcy. National publications like Salon have withered.

But in the Triangle, a number of companies have managed to find success—and not all in the same way.

WomenGamers.com, founded two years ago, was created to focus on a niche market: women who like to play PC and platform interactive games. The company has grown to the point that it now offers Web consulting and site development as well as market research and analysis reports.

Sisters Despina and Phaedra Boindris and their sister-in-law, psychologist Kathryn Wright, helped start the company along with Mike Ensley.

"We at WomenGamers.com feel that it is time for aspects of the gaming industry to come under some scrutiny," says Dr. Wright, "such as its failure to address the female market, the sexist portrayal of females in games, and the level of game violence."

When the movie *Lara Croft: Tomb Raider* appeared, Wright was dismissive of the film—and the popular game—for "sexualizing" the lead character.

Another successful niche market site is **WarGamer.com**. Founded by Mario Kroll, WarGamer features news and reviews of all things military on the desktop.

ACCToday, a ViCom company in Chapel Hill, continues to grow in its market: Atlantic Coast Conference sports. The site features a bevy of well-known columnists such as Barry Jacobs and provides daily updates and analysis.

ONLINE PUBLISHING, MEDIA COMPANIES TO WATCH

ACCToday	www.acctoday.com
How Stuff Works	www.howstuffworks.com
NANDO Media	www.nando.com
Open Mind Publishing Group	www.ompg.com
Wargamer.com	www.wargamer.com
WomenGamers	www.womengamers.com
Zoom Culture	www.zoomculture.com

Zoom Culture, founded by chief "zoom" officer Nate Wieler and run by experienced CEO Marty Lafferty, is focused on producing original content for TV and cable broadcasters as well as the Internet. Zoom Culture recruits and trains people to shoot real video from extreme sports to spring vacations. The company already is selling programs to networks, including Fox.

A major Triangle company has found success by appealing to newspapers and other media that want to develop deep, feature-filled Web sites without having to hire staff to develop and maintain them. **NANDO Media**, a division of McClatchy, which owns *The News & Observer*, offers a wide variety of resources and services.

Among them are traditional news, weather and sports feeds. NANDO also offers music and other multimedia services to clients throughout the country.

Interestingly, three NANDO executives (Fraser Van Asch, Susanna Cantor, and James Calloway) have been with the company since it was launched in 1994. The three decided to stay with NANDO when Frank Daniels III left the *N&O* and later started Koz

and TotalSports. Another former *N&O* staff member, Gene Wang, edits the daily Web and fax political newsletter called "the insider."

Recognizing the Web as an opportunity to inform the masses, **HowStuffWorks** continues to build a large database of news and information—from important to fun. Founded by former N.C. State Professor Marshall Brain, the site recently offered a detailed analysis of the California power crisis.

Brain and company now draw more than 2.5 million unique visitors a month. HowStuffWorks also plans to publish a series of traditional books in the near future.

Speaking of books, **OpenMind Publishing Group** utilizes the Web in conjunction with college professors and textbook publishers to prepare special "course books." Professors can select information for inclusion. The books can be delivered via the Internet, on CD and in print.

OpenMind recently signed an agreement with Britannica.com to collaborate on course materials.

Another Triangle company, **Alerts.com**, focuses

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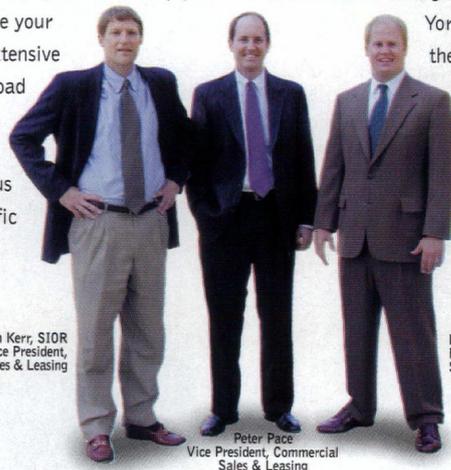
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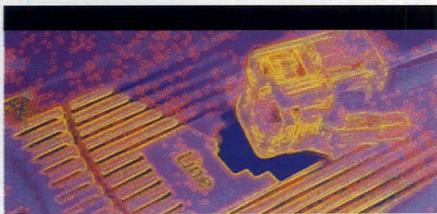
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Computer cops

SECURITY A GROWING CONCERN FOR HIGH-TECH FIRMS

As reports of network "hacking" and thefts of laptops and desktop PCs seem to proliferate, a growing cadre of companies have sprung up to help technology companies feel more secure.

Information technology firms often offer a full suite of services from networking and software guidance to security plans.

Among them is **Secure Enterprise Computing**, run by Randall Bennett who also started RW

Bennett, an IT services company. SEC focuses on keeping its client's machines and networks safe.

"You would be amazed at how wide open some networks are," Bennett says. His company and others can test network security and try to break in. They often will find a so-called backdoor past a company's protective firewall. And when a firm implements a security solution it sometimes requires changes in how a client uses its network. For example, Bennett once was questioned by an executive who was dismayed that he no longer could routinely access the Internet to play games.

SEC also routinely will send out warnings about PC thefts (and how to encrypt them) and about viruses. While dangerous, hackers also sometimes have a sense of humor. SEC recently sounded an alarm about the "naked wife virus."

Numerous other companies also provide IT services. **Strategic Technologies** of Cary offers a wide variety of services to technology companies, including training, support and disaster recovery plans. Strategic recently doubled the size of its training facility.

Sytec Business Solutions works with clients on all aspects of its IT needs, from selecting PCs and software to designing and implementing networks,

remote data access and Internet connectivity.

Meid Computer Systems of Raleigh focuses on the medical industry, offering a wide variety of IT and software support. Founded in 1982, Meid offers a software program for doctors to use with hand-held PCs.

Global Knowledge of Cary now claims to be the world's largest IT education integrator. The company, true to its name, offers more than 700 classes in 15 languages.

Other companies include **Computer Services Partners**, **OnSphere**, **4Front Systems**, **Campbell Alliance** and **Triangle Resource Group** of Raleigh, **Emergys Corporation** of Chapel Hill, and **Clarkston**, a 10-year-old, rapidly growing company in Durham. □



Merchandise movers

VARIETY OF COMPANIES USE WEB TO FIND SALES, MANAGE DATA

As the gift buyer for the Museum of Contemporary Art in Chicago, Janet McKean was always on the lookout for interesting items to place in the museum's store.

"I went searching for cool gifts and stores that make me smile," McKean says in touting her mission.

She carried the same idea to **Found Objects**, a Hillsborough-based specialty gift center and Web site (www.foundobjects.com), which she launched eight years ago.

Found Objects is symbolic of a number of companies in the Triangle who either use the Web to promote and sell their goods or have developed technologies designed to enable e-commerce activities.

Among the items shoppers can find online at McKean's venture are magnetic poetry pieces, zen boards complete with a brush, candles that resemble sushi, and glasses decorated with black dresses. The poetry pieces have been big sellers, generating more than \$1 million in revenue. And the zen boards, on which users brush images again and again are what McKean calls the "adult version of the Etch-a-sketch."

Allwall.com in Raleigh, meanwhile, focuses on posters, prints, photographs and custom framing.

In an example of the small absorbing the big, AllWall recently acquired art.com from the prestigious Getty Images. CEO Joshua Chodniewicz estimates the art market to be worth some \$13 billion.

Two other Triangle companies are focused on sophisticated software for complex financial

SYSTEMS INTEGRATORS & IT SERVICES COMPANIES TO WATCH

Global Knowledge	www.globalknowledge.com
Medic Computer Systems	www.medcmp.com
Secure Enterprise Computing	www.secure-enterprise.com
Strategic Technologies	www.stratech.com

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required

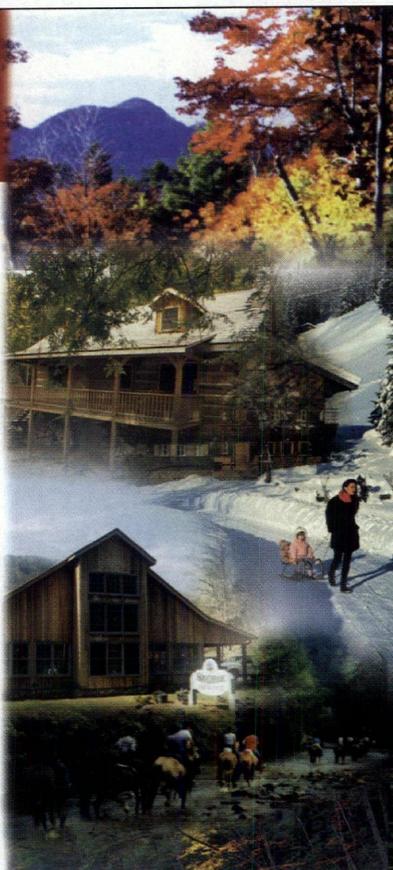


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ONLINE RETAIL & E-COMMERCE APPLICATIONS COMPANIES TO WATCH

Allwall.com	www.allwall.com
Alpha-Gamma	www.alpha-gamma.com
Found Objects	www.foundobjects.com
Sageworks	www.sageworksinc.com

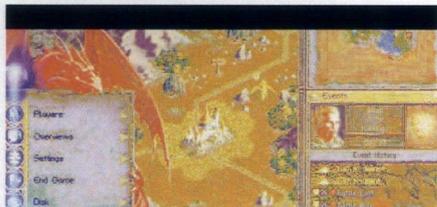
transactions and interpretation.

Sageworks, founded in Raleigh, has patented web-enabled software designed to interpret complicated financial statement data and generate written reports. Sageworks describes the software as an "artificial intelligence analysis tool."

Alpha-Gamma Technologies, which also is based in Raleigh, focuses on developing e-business solutions and database design. Among its clients is giant IBM, which brought in Alpha-Gamma to help complete an XML (extensible markup language) project.

Reese Howle, Alpha-Gamma's president, told *eWEEK* magazine, the company had 11 days to complete the project which involved 100,000 lines of Java code. Alpha-Gamma designated a team of 10 developers and utilized a new product from another company, NeuVis Inc., to complete the job on schedule.

Another Triangle company is **Internet Commerce Corporation** which has an office in Cary after acquiring Research Triangle Commerce Inc. last November. ICC focuses on business-to-business commerce, and among its clients are Barnes & Noble.com, Bethlehem Steel, Hershey Corporation and L.L. Bean. □



Shrewd playmakers

TIMELINE REGROUPS; TRIANGLE GAME INDUSTRY MOVES FORWARD

Timeline Computer Entertainment seemed to have everything going for it at Christmas time: a best-selling book by Michael Crichton (*Timeline*) and a 3-D rich computer game by the same name created to Crichton's specifications.

Yet all did not go well.

The game didn't sell as well as expected and Timeline had to retool. Eight employees out of approximately 30 were laid off in March, and another two left recently as part of another "restructuring," according to company vice president Matthew Langie.

But Langie says Crichton remains actively involved in the company he co-founded along with Triangle entrepreneur David Smith and others. Langie adds that new projects are being developed and the company is considering PC as well as platform formats for PlayStation2 and Microsoft's Xbox.

"We're still continuing as business as usual," says Langie, who adds, "This is Michael's game company." But Langie concedes, "It has been a struggle in this market for all the game companies and publishers alike. The market really went soft."

Timeline also is looking for a new publisher, having parted with Eidos over "differences in philosophy," according to Langie.

As Timeline prepares to roll out new games, the remainder of the Triangle's fledgling game industry shows good signs of life, if not prosperity. Even with the demise of SAS's Southpeak Interactive and the

GAMES AND ENTERTAINMENT COMPANIES TO WATCH

Epic Mega Games	www.epicgames.com
iRock	www.irock.com
Numerical Design Limited	www.ndl.com
Red Storm Entertainment	www.redstorm.com
Shrapnel Games	www.shrapnelgames.com
Timeline	www.timelineentertainment.com

sale of Red Storm Entertainment and Sinister Games, several companies remain under local control or maintain a strong local presence.

iRock, a spinoff of Smith's old company Virtus Software, like Timeline, continues to develop an action game, "Ozzy's Black Skies," in conjunction with rock star Ozzy Osborne. It is being heavily promoted by the singer and his band on its current tour.

And **Red Storm Entertainment** is preparing its latest in the "Rainbow Six" action series based on characters and concepts created by Tom Clancy.

The overlooked success in the Triangle, however, is **Shrapnel Games**. Run by Tim Brooks, Shrapnel Games helps independent game developers bring military action titles to market over the Internet as opposed to dealing with traditional publishers and cardboard boxes on cramped store shelves. Brooks, who went "virtual" after having trouble with the publisher of a game he created, expects to top \$1 million in revenue in 2001.

Epic Mega Games, which created the amazingly successful Unreal and Unreal Tournament action games, is working with Digital Extremes for a new Unreal series to be released on the Xbox. Mega

Games also continues to license its Unreal game engine to other companies.

Other Triangle area game companies include Random Games and Rules of the Game.

Another company closely linked to upcoming game systems is **Numerical Design Limited** of Chapel Hill. Although not a game company, NDL is licensing its 3-D game engine for development with Xbox related games. □



Wiring the Web

MAXIMUM WEB BENEFIT IS GOAL OF DEVELOPMENT, HOSTING FIRMS

When Major Clarence Briggs and some of his compatriots left the U.S. Army, they decided to put their

cool gifts that make you smile



www.foundobjects.com

technical training to use by tackling the "dot com" economy.

And unlike many Web hosting or development companies such as iXL and Utenzi Corp., Briggs and company have flourished. More impressively, **Advanced Internet Technologies** is located in Fayetteville, some distance from the high-tech customer base in the Triangle.

Founded in 1996 in Briggs' garage, AIT reported nearly \$20 million in revenues last year while building its Web hosting business to more than 160,000 domains. AIT now claims to be the "world's largest privately owned Web hosting company" and has set up a subsidiary in Asia.

The company has constructed a huge new data center and is considering splitting into three separate companies—if not going public with an initial public offering—while offering additional consulting, data and site development services.

"These guys trained in the Army to put an artillery shell through a window 50 miles away," a company spokesman says. "They know what technology and precision are all about."

AIT employs 160 people, many of whom retired or left the military during the Pentagon's draw-down through the '90s.

Remarkably, AIT also has grown without the need for any outside financing or venture capital.

"We're looking to acquire other companies that have yet to solve the mystery of doing business on the Internet," says Alex Lekas, AIT's communications manager. "There is no mystery. Money *in* has to be greater than money *out*, and profits should be plowed

WEB DEVELOPMENT, CONSULTING, HOSTING COMPANIES TO WATCH

Advanced Internet Technologies	www.ait.com
American Data Technology	www.localweb.com
CISYS	www.cisys.com
Eduprise	www.eduprise.com
Hesketh.com	www.hesketh.com
Island Edge Research	www.islandedge.com
Myriad Media	www.myriadmedia.net
WebslingerZ	www.webslingerz.com

back into the business instead of being frittered away on yachts, catered lunches, and some of the other perks that have doomed so many tech companies."

AIT is not alone in its success. Several other companies also have flourished in Web site development, hosting and programming research.

Mike Salim was part of the IBM engineering team which helped upgrade and expand the Internet from 1989 to 1993 as part of a National Science Foundation project. Salim took that knowledge to the Triangle where he launched **American Data Technology** and its Web site development, consulting and hosting business called **LocalWeb**, which has been in operation since 1995 and offers e-commerce service to thousands of clients worldwide.

Hesketh.com also continues to grow as a Web company. Its chief technology officer, Steven Champeon, is a widely published author of technical books and articles relating to Internet programming. Rick Cecil, Hesketh's visual design and producer, recently signed a contract to provide technical editing of a forthcoming Web graphics book.

Heather Hesketh is the company's CEO. Hesketh was launched in 1995.

WebslingerZ was one of the first Web site development companies formed in the Triangle and continues to grow. Jeffrey Hoffman founded and still runs the company. Among its higher profile sites is ACCToday.com, which is devoted to in-depth coverage of the Atlantic Coast Conference.

A bastion for Web programming research and development on the Carolina coast is **Island Edge Research**. Run by Kevin Gamiel who formerly worked in MCNC's supercomputing center and was part of the Internet Engineering Task Force, Island Edge focuses on sophisticated XML (extensible mark-up language) programming. Island Edge, formed in 1997, is based in Kill Devil Hills.

CISYS is a 10-year-old Raleigh company which has steadily grown its Web, custom software and wireless business. CISYS is privately held, profitable, and is still run by its founder, Jim Saunders.

Arsenal Digital Solutions of Durham has grown quickly in three years, establishing 20 data hosting centers in 14 cities. The storage service provider plans to have more than 40 sites by year's end.

Another company, **Eduprise Inc.** of Morrisville, utilizes the Web for distance learning projects. They have worked with UNC-Wilmington and collaborated with several private and public universities in Kentucky to build a virtual campus called Kentucky Virtual University.

Two other companies of note include **Extreme Web Works**, which operates out of the new Raleigh technology center, and **Myriad Media**. Myriad streams audio and video from Web sites using as little bandwidth and server power as possible. □



Capital dreams

MORE VENTURE FUNDING SOURCES DEVELOP DESPITE TOUGH TIMES

For years, entrepreneurs and leaders of organizations such as the Council for Entrepreneurial Development and the North Carolina Electronics and Information Technology Association have fought to secure more venture capital funding in the state.

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VENTURE CAPITAL COMPANIES TO WATCH

The Atlantis Group	www.theatlantisgroup.net
Aurora Funds	www.aurorafunds.com
Intersouth Partners	www.intersouth.com
N.C. Economic Opportunities Fund	(no site; call 919 256-5000)
A.M. Pappas & Associates	www.ampappas.com
Silicon Valley Bank	www.svb.com
Southeast Interactive	www.seinteractive.com
Southern Capitol Ventures	www.southerncapitolventures.com
Wakefield Group	www.wakefieldgroup.com

The year 2000 was a record-setting year for venture investing in North Carolina firms, just as it was nationally. The state drew nearly \$2 billion, according to the CED.

Of the 193 investments made, 143 worth \$1.1 billion went to Triangle firms.

Because of the economic downturn, venture investments have been down substantially in 2001. Through March 31, the National Venture Capital Association reported 27 deals worth \$220 million, the weakest quarter since the fall of 1999 during which a paltry \$105.8 million was generated.

As 2001 unfolded, however, Triangle and Eastern North Carolina firms did get some additional sources.

"This is the worst of times," says Ben Brooks, but he launched **Southern Capitol Ventures** anyway. Brooks is raising money for investments in early stage companies, insisting the new firms are the Red Hat and the SAS of the future.

Outside of investments made in Wilmington (such as Talking Nets and Endeavor Pharmaceuticals), venture funding hasn't made much of an impact in other areas Down East. That's where the **North Carolina Economic Opportunities Fund** launched by Erskine Bowles could play a part.

"We saw a void that wasn't being filled by anyone else," says Rick Carlisle, who signed on to head up the fund. "We see this as an opportunity."

Carlisle, a former secretary of commerce under former governor Jim Hunt, has been involved in industrial recruitment for years. He and Bowles, who headed up Hunt's Rural Prosperity task force, want to help startups find success outside of the Triangle, the Triad and Charlotte.

The state also got a boost when Silicon Valley Bank opened an office in RTP.

So-called angel investors, who really help bootstrap new companies, were given more organization and exposure by two new funds. The **Atlantis Group**, headed up by entrepreneur Robbie Hardy, raised money from more than 40 people. Among them was Michael Brader-Araie, the founder of OpenSite who also started his own angel fund called **truePilot**. Atlantis hopes to help at least 15 companies.

But venture investing requires risks, as some of the Triangle's more established venture firms discovered. The telecommunications crash and "dot com" meltdown, which bankrupted or virtually shut down firms such as KOZ, TotalSports, Interadnet and ViOS, hit Southeast Interactive and The Aurora Funds. Fusion Ventures also took heavy losses. Cash burn rates by other high-tech

firms led to several VC firms to limit or eliminate new investments and substantially increase the due diligence applied to business plans submitted for review.

Bill Gwynn of Southeast Interactive says VC firms are "focused on what companies they have getting to profitability quickly." He adds that few major new investments can be expected "over the next six months. Quite frankly, what happened to the dot coms and all those equipment companies has to flush through the economy." □

A NEW ERA IN URBAN LIVING.

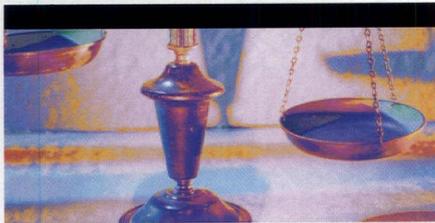
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LAW FIRMS STAY BUSY PROTECTING INTELLECTUAL PROPERTY

How good is business for intellectual property lawyers these days?

Check out the names for the firms **Myers Bigel Sibley & Sajovec** and **Glasgow Law Firm**.

Attorney Mitch Bigel and his partners labeled their site www.carolinapatents.com.

Attorney JiNan Glasgow named the Glasgow site www.trianglepatents.com.

The two firms are among several in the Triangle and Eastern North Carolina that either focus on intellectual property issues, patents and copyrights or have lawyers practicing in those specific areas.

Why? Because of the Triangle's boom in high-tech and biotech research and development, a similar boom in inventions and concepts has to be protected.

Lord Corp. of Cary, for example, received 34 patents in 2000. Duke (47), North Carolina State (31) and UNC-Chapel Hill (31) also won protected rights,

HIGH-TECH LAW FIRMS TO WATCH

Coats & Bennett PLLC	www.coatsandbennett.com
Daniels & Daniels, PA	www.daniels.com
Glasgow Law Firm	www.trianglepatents.com
Hutchison & Mason LLC	www.hutchlaw.com
Kilpatrick Stockton LLP	www.kilstock.com
Myers Bigel Sibley & Sajovec	www.carolinapatents.com
Olive & Olive, PA	www.oliveandolive.com
Poyner & Spruill	www.poynerspruill.com
Smith Helms Mulliss & Moore	www.shmm.com

according to figures supplied by Bigel. Numerous Triangle firms won patents on everything from fabrics (3TEX) to 10 patents won by Micell Technologies for CO₂-based dry cleaning. Ericsson (338), IBM (245) and GlaxoSmithKline (50) helped push patents claimed by North Carolina-based inventors to 2,614 in 2000, up more than 400 from 1998.

And these figures don't reflect the patents in process which were filed long before the recent economic downturn struck.

According to Bigel, the growth trend isn't likely to slow, either. Triangle companies "will keep refreshing and expanding (their patents) into other fields." As improvements are made, protection must be sought, he adds. "These are not break-through inventions but a whole series of developments."

Companies large and small also are filing for patents since protected intellectual property is seen as adding value to a firm.

The continued growth of the Internet and also the

growth of information technology centered around biotechnology will drive more patent growth, Bigel adds. "Software is becoming pervasive, bioinformatics is a newly developing field, and then there is the rise of the Internet for business-to-business or business-to-consumer transactions. Even big companies are focusing on making the Internet more a part of their business."

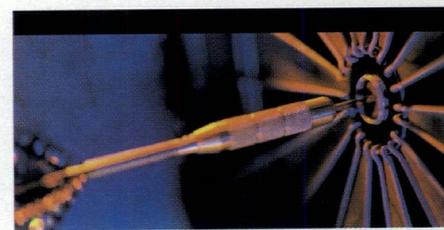
Jose Cortina, a patent attorney for more than 25 years, adds that patents become an important part of sales, mergers or acquisitions of companies. Cortina, who heads the patent division at **Kilpatrick Stockton LLP**, was recently involved in one transaction which almost faltered over what he called "warts" involving a patent.

"This created the real difficulties in the deal," he says, "although they were able to surmount it."

Patents aren't cheap, costing as much as \$10,000 each. And the process is lengthy, taking up to 18 months or more.

But attorney Larry Coats of **Coats & Bennett** says that fee is a good investment to protect the rights to a product that may have cost millions to develop.

"It makes all the sense in the world to invest in the patent because its cost is small, comparatively speaking," he adds. □



Talking it up

HIGH-TECH SECTOR DRAWS PUBLIC RELATIONS FIRMS TO TRIANGLE

How interested are companies in getting the word out about who they are and what they do? Very.

A recent "Meet the Media" event hosted by TrianglePR drew more than 200 people. But more than software developers, "dot coms" and manufacturing firms were represented. So were several public relations and marketing firms who were looking for opportunities to publicize their clients.

And when *Metro Magazine* invited nominations for its "High-tech 100," e-mail flooded in-boxes.

One editor of a business publication, *Triangle Tech Journal*, says companies that either have an agency or their own marketing staff do need to pay

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attention to media exposure.

"People push us about doing stories all the time, and I do think it's better to have some type of public relations effort because reporters may not know about the company," says Randall Gregg. But he adds that if a company does retain outside help, it still should make sure its own staff is available to discuss what's happening. "Who knows better what's happening than the people who work there," Gregg says.

International consultant William Dunk, who is based in Chapel Hill, reminds his clients that publicity is important and communication with the media is essential, especially in difficult times.

Gregg offers one bit of advice to the public relations firms: If he or one of his reporters calls, a prompt response is needed.

"Reporters are naturally inquisitive," he says. "If you don't call back, the reporter's curiosity will be aroused. It's always in the company's best interest to call back."

Many companies obviously realize the need to promote themselves and deal with the press. As the Triangle's high-tech and biotech industries have drawn more than additional venture capital, they also are luring—and triggering the spawning of—public relations, image and marketing firms.

Brodeur Worldwide and **Porter Novelli** are among huge firms that opened Triangle operations. Other large firms with local offices include **Richard French & Associates**, **Ruder Finn** and **Brogan & Partners**.

MARKETING & PUBLIC RELATIONS COMPANIES TO WATCH

Brodeur Worldwide	www.brodeur.com
Brogan & Partners	www.brogan.com
BtB Marketing	www.btmarketing.com
Cramblitt & Company	www.cramco.com
Richard French & Associates	www.richardfrench.com
Jennings & Company	www.jenningsco.com
Koroberi	www.koroberi.com
Morton + Beck	www.morton-beck.com
Pettus Inc.	www.pettusinc.com
Phoenix Communications	www.phoenixnc.com
Porter Novelli Convergence Group	www.porternovelli.com
PR Street	www.prstreet.com
Ruder Finn	www.ruderfinn.com
Triangle PR/America PR	www.trianglepr.com
Vision Factory	www.visionfactory.com

TrianglePR and **AmericaPR**, meanwhile, are capitalizing on the immediacy of the Web to launch aggressive marketing efforts built around multimedia e-mail.

And size isn't the only factor when it comes to a firm's success. One of the Triangle's sharpest firms, **Pettus Inc.**, is one person—Dianne Pettus.

Koroberi New World Marketing, another small firm, recently won several major contracts, including one from Cisco.

As competition has increased, one local firm

changed its name to **PR Street**. Formerly known as Capital Communications, PR Street felt it was too often being confused with Raleigh-based Capitol Broadcasting.

BtB Communications, meanwhile, launched a new Web site in an attempt to raise its profile and to tout its Web design and consulting services.

Several companies also work with clients to improve Web sites and presentations. An example is **Vision Factory**, which is working with the stoic Social Security Administration to spiff up its image. **MM**

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¹ Average per square foot price of all Wrightsville Beach waterfront properties sold in year 2000 as reported to the Multiple Listing Service. Average age is 19 years.

² Average per square foot price of Waterfronte Villas and Yacht Club with new residence prices beginning at \$320,000.

The Cisco kid

FORMER ARMY RANGER RUNS CISCO'S RTP CAMPUS

The obnoxious salesman simply wouldn't leave Ed Carney's office at IBM. So the former U.S. Army Ranger resorted to his military survivor training to get the guy out the door.

Seeing a bug climbing on a nearby wall, Carney walked over, scooped it up, and promptly ate it.

"The salesman left real quick," says a laughing Dennis Kekas, who was Carney's boss at the time.

Then there was the time Carney had guests over to his home for a cookout. To the dismay and disgust of several folks, a big bug landed in a dish of dip. Not one to let pass an opportunity for entertainment, Carney took action.

"I picked up a big chip, took a big scoop of dip with the bug and ate it," he says, breaking into a smile big enough to span the sprawling Cisco Systems corporate campus in RTP. "It grossed them out. Once in a while, you just have to do something like that!"

One never knows quite what to expect from Carney, who loves John Wayne movies (especially *The Green Berets*) so much that he has a photo of the Duke in his office and listens whenever he can to the Rolling Stones and the Beatles.

Trained by the Army to be an unconventional warrior, the 46-year-old engineer is responsible for overseeing Cisco's North Carolina operation as the company's so-called local ambassador. And his image as well as his approach to management reflect that unorthodox background. No suits. No ties. An open office door. And a builder of camaraderie. All despite the fact he is spit-and-polish West Point trained, a former captain who, as an artillery officer,

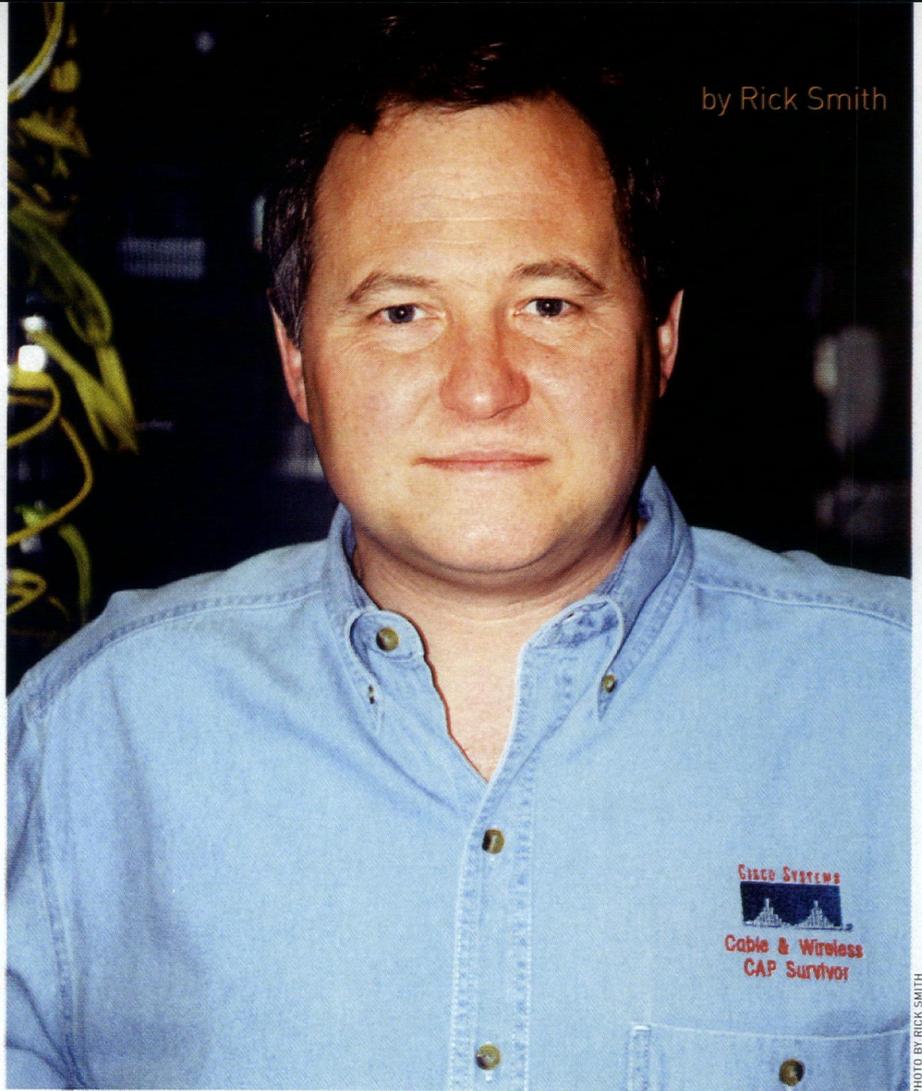


PHOTO BY RICK SMITH

CISCO'S ED CARNEY The right amount of humor and leadership

was required to make the most precise calculations for "fire missions" and flourished as a long-time executive in a company known for its suits—IBM.

He also keeps his silver Ranger badge pinned to his notebook as a constant reminder of what he learned in the military. Carney reflects the Ranger motto: "Rangers lead the way." He even mutters an occasional "Roger that."

"We have a saying at Cisco: One riot, one Ranger," Carney says. "Our competition needs 10, 15, 20 engineers to install. We'll send one, two if necessary. We are giving one engineer an extraordinary opportunity to put the ball over the left-field fence."

Only the best and toughest soldiers can become an elite Ranger. But that doesn't mean they can't have a sense of humor. Carney is legendary for letting out spontaneous "Yee-haws" when good news is

announced or the engineering testing team he directs reports a breakthrough. And that's fine with the 200 or so folks who work for him as part of the Networked Solutions Integrated Test Engineering Lab.

"The loud yee-haws he's let out when something good happens is not what I would expect of an Army officer, but there are probably as many varieties of Army officers as there are types of people," says Glenn Schleicher. He has worked for Carney for the past three years as director of engineering for the NSITE team and enjoys Carney's antics. "Ed has the ability to focus on the task at hand but also to judge the demeanor of our NSITE team at any given time and inject the right amount of humor and leadership."

John Fitzgerald, the engineering lead at NSITE, also worked with Carney at IBM, and hails Carney's ability to exhibit both humor and leadership.

"We know something good has happened when we hear that yee-haw," Fitzgerald says. But on a serious note, Fitzgerald adds, "Simply put, Ed attracts great engineers and builds great teams. People want to work for him because he listens, he articulates strategies well and provides you with an easily understood vision of how your individual job contributes to a strategy and Cisco's success."

"YOU'VE GOT TO GO FOR THE KILL"

There is a time for play and a time for hard work, Fitzgerald points out. NSITE is stuffed with \$100 million worth of equipment designed to test and, if necessary, break new Cisco products. Carney was hired to build the facility, recruit the engineers from inside and outside of Cisco and he manages it now in addition to acting as site executive.

"He is serious about business, doing NSITE's part to get highly tested and high-quality Cisco products to market quickly—before the competition—but he combines this seriousness with a jovial enthusiasm that is infectious and motivates you to work harder and to beat deadlines," Fitzgerald explains.

Carney knows the pressure is on, particularly in these hard economic times. He knows how to get results.

"If you are going to drop fire for effect, you can't be ambiguous," he says, recalling his days as an artillery officer. "In the Army, you couldn't be ambiguous. You've got to go for the kill.

"Our customers demand the same approach with the same accuracy and precision."

In order to meet those demands, Carney points out he must have a good team. In order to build one, he works hard to be a good listener. "It's the best way I can learn," he says.

His own staff calls him a "technologist," which is high praise from fellow engineers. Carney declines the honor now, saying he's had to spend too much time in management.

As a manager, he has learned to look for signs that a colleague or employee



FRONT AND CENTER Carney at West Point

wants to talk about something else. "The most effective way to get any issue resolved is to listen personally—and to watch the eyes," Carney says. "If you watch, you may be able to sense if the person wants to talk about something else."

He hopes his approach fosters creativity and openness. "I've got some brilliant, brilliant engineers who are always coming up with new, innovative ideas," Carney says. He encourages people "to bubble up with new possibilities."

His staff likes that approach, pointing out that scores of people applied for jobs when word leaked that Carney was assigned to build NSITE.

"Strong engineers tend to be very selective in who they follow, and Ed has been able to recruit and grow a team of some of the strongest engineers from both inside and outside the company," Schleicher says. "He's able to do this because he has a real passion for the mission of the team, consistently communicates the importance of what we do and sets high expectations. I, and I think most of the people who work for Ed, cherish this clarity of focus and drive to get things done.

"Crisp decision making where it is appropriate is where Ed demonstrates his military background. Often a decision needs to be made, consensus cannot be reached, and wallowing in ambiguity is the last thing a

team needs. Ed is able to seize those moments as a leader, to make a clear call, and hold himself accountable for the results.

"This is exactly what is needed. Leadership in a technology company is not a popularity contest and sometimes calls for clear, decisive action."

The men who supervised Carney at IBM certainly recognized Carney's leadership skills early on.

"Ed's a great leader," says Kekas, who is executive director of the Networking Technology Institute at N.C. State. "He's a real motivator, and he's extremely good in crisis situations."

Kekas recalls an incident when a water pipe burst on the IBM campus, flooding a lab where a project called "Tiger" was underway. Carney responded quickly. "They had the lab back on the air in a day," Kekas says in amazement.

Dick Daugherty, who headed up IBM's North Carolina operations for many years and today heads development for N.C. State's Centennial Campus, has the highest regard for Carney.

"Ed was an extremely energetic individual, and as best as I could tell, he was well liked by his employees, his peers and management," Daugherty says. "He was just a bundle of ideas and energy, and he would go implement those ideas. That

kind of person, in my view, is an asset to any organization."

CISCO'S HARD TIMES

Carney is joking a bit less these days as Cisco endures its first serious hard times as a company.

Recent headlines and stories reflect the challenges for Cisco and Carney, who must help prepare products for the marketplace:

"Cisco or Crisco?"—*Business 2.0*, May 2

"Cisco may not be bouncing back soon"—*BusinessWeek*, April 16

"No quick Cisco fix"—CNBC, May 11

"In one year Cisco, Microsoft, Intel, Lucent and Oracle lost over \$1 billion in total value. That's what the entire market was worth in 1980."—*Forbes*, April 16

"We're not seeing a turnaround."—John Chambers, Cisco CEO, *BusinessWeek*, April 9

Over the past year, the company's stock took a tremendous dive along with the rest of the tech-heavy NASDAQ. From a high

of 70, Cisco was Crisco as it slid as low as \$13.19 a share—a drop of some 80 percent. Never before had Cisco laid off people, but it let go 17 percent of its workforce, or more than 8500 people.

The job cuts were especially painful, given that Cisco rapidly had become one of the country's most respected places to work after shipping its first products in 1986. *Fortune's* "Most Admired Companies" list cited Cisco as No. 2 in 2000, behind only General Electric. Cisco had vaulted from eighth a year earlier and displayed Microsoft from the second spot.

"LETTING PEOPLE GO WAS LIKE CUTTING OFF MY ARM"

Nearly 300 full-time and 100 other employees were laid off in RTP out of a workforce of some 3200. Forty percent of the layoffs came in product development, an area especially dear to Carney.

The layoffs also delayed Cisco's campus expansion. Three buildings under con-

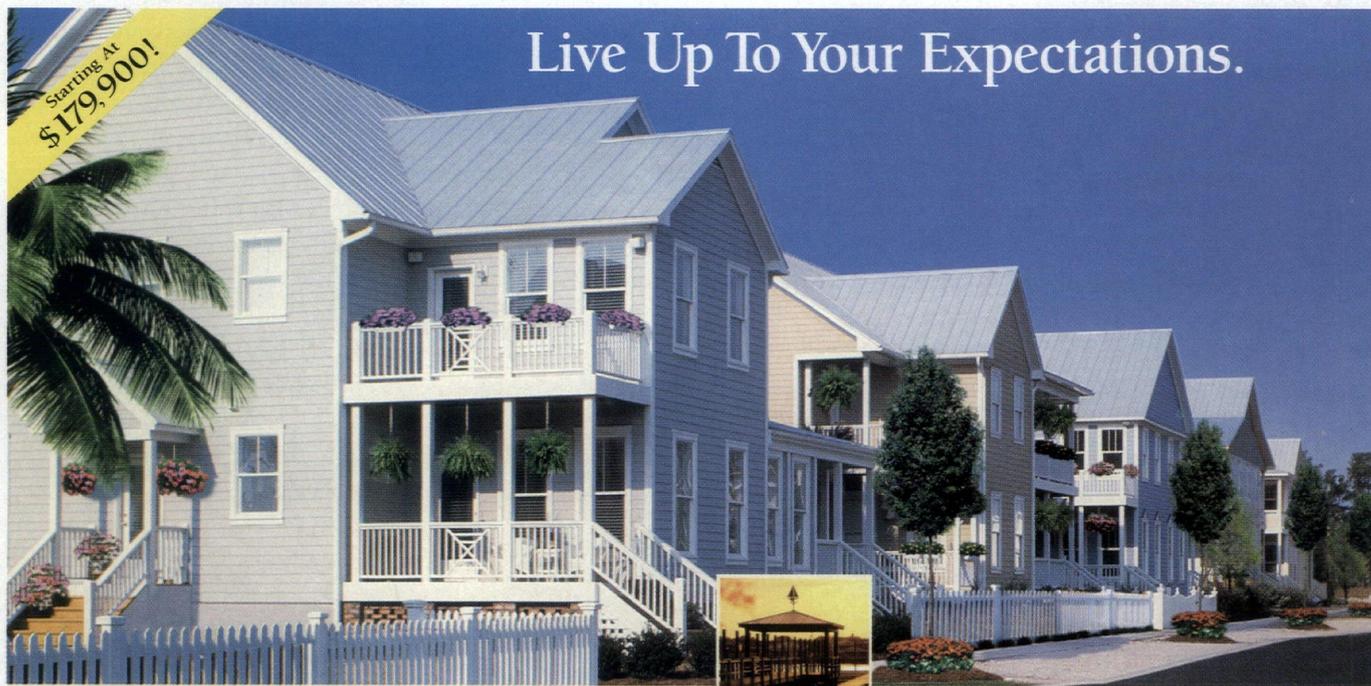
struction will not be occupied for some time, and Cisco's stated goal of having more than 4000 local employees has been pushed back.

All that survival and leadership training Carney received at West Point, as a Ranger and later at IBM, were called into play. Kekas, who spoke often with Carney as the layoffs and cutbacks approached, knew how hard Carney took the decision.

"The layoffs were tough on Ed," Kekas says. "It's been extremely difficult, particularly given that he has such a great feel for people. He knows that staffing well is the key for a company, and he definitely was careful to try to do the right thing for people."

During a second interview shortly after the layoffs, Carney displays a much lower key demeanor and laments the bloodletting that took place. He talked at length about how senior managers were briefed and how each person let go was met with an individual basis.

"We hire the best at Cisco. We build effective teams that like to work with each



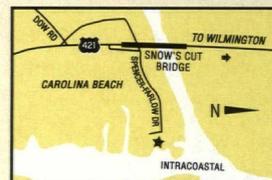
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other," he said. "Letting people go was like cutting off my arm. These were great folks."

The devotion of his employees made the task harder. "I have yet to ask anyone to stay late," he explains. "They say, 'O.K., we've got a problem. Let's fix it.' They stay till it's done."

A look of grim determination crosses his face as he talks about Cisco's recovery. For one thing, he says, he is determined to help raise Cisco's stock price so people who were let go by the company can redeem still-valid stock options for more value.

Carney also looks at the layoffs as a knockdown, not a knockout, in a long boxing bout.

"We're dusting ourselves off," he says. "We're engineers. Let's get busy. Let's get back to rock 'n roll. And that's exactly what we are doing. Let's get back to the future."

Schleicher, the director of engineering, suspects Carney will meet the challenge.

"My gut feel is that Ed's strengths will become even more apparent because of these challenging times," he says. "I don't know of many leaders whose ability to motivate when the chips are down is stronger than Ed's...Ed motivates by making you strive to be better than you think you are."

"It comes down to this: people will report to and do work for most managers based on their set direction. They might even grudgingly give 110 percent to such a manager during a crunch time. However, there are few leaders who, when times are tough and you need to marshal your people to give 110 percent again and again, can do this and still have a team that respects and likes to work for you."

"Ed is such a leader."

RTP KEY TO CISCO FUTURE

Whatever Cisco's future, the RTP campus and Carney will play crucial roles.

Joel Bion, Cisco vice president on the West Coast and Carney's boss, believes Carney is up to the job of managing the lab and the campus. Before joining Cisco, Carney says he went through a rigorous process. "To go through three or four screening calls is not uncommon; then you may have 10 interviews," he says, adding

with a laugh, "I had 18!" Bion is pleased with the result.

"Ed was the correct choice for the site executive's position for several reasons," Bion says, including his relationship with the region's universities and his having lived in the Triangle for 14 of the past 17 years. "Finally, Ed has proven himself an excellent team builder and leader during his four years at Cisco."

The importance of NSITE can't be underestimated, he adds. "In the NSITE lab, Cisco is able to test the innovative solutions that we develop to meet our service-provider customer needs. Ed and his team have built a lab that can replicate existing service-provider environments before they are deployed to the customers."

"We call what Ed and his team accomplish 'customer zero testing.'"

Carney is fully aware of the challenges Cisco must meet. The company faces ever-increasing competition from companies such as Nortel and Juniper Networks (rumor has it at press time that Cisco is buying Nortel). Putting new emphasis on wireless technology and voice-over-IP (Internet Protocol) telephony products means Carney's team stays busy.

"The business functions and business units at the RTP site are very important to Cisco's future," Bion points out. "Talented engineering teams exist in RTP, and this



WORLD TRAVELERS The singing Carney brothers

bodes very well for the future growth."

Bion also has high expectations for Carney as the site executive. In the military, people assigned additional responsibilities, or asked questions they don't dare answer, point out the issue is above their "pay grade." Not Carney, whose list of responsibilities is enough to scare off some executives.

"In his site executive role, Ed is the leader of our business interests in RTP," Bion says. "This role entails responsibilities such as interfacing with local and state government leaders and other business leaders on issues related to the growth of Cisco's campus."

RECALLING THE SINGING CARNEY BROTHERS

Cisco's networking products helped create the Internet explosion of the 1990s. Carney bolted IBM's Global Network, where he was director of engineering and operations for three years in France, when Cisco recruited him in 1997. "We're the poster child for the Internet," Carney says of Cisco.

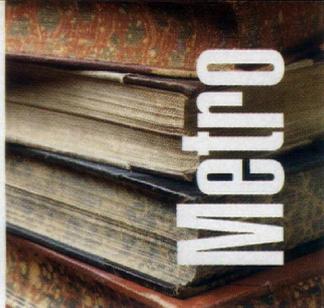
As the Internet, related dot coms and telephone companies spiraled into an economic dead zone, Carney points out that Cisco employees "had to have fire in the belly to work as a team. The entire team understands what we are up against."

The challenges today demonstrate how far Carney has come from his childhood in rural New York. He and his two brothers, Brian and John, formed "The Singing Carney Brothers" and toured the world. Even today, he sings tenor and recently returned to the stage after hiring a voice coach in Raleigh.

"Are you sure we are talking about the same person?" says Kekas with a laugh.

Carney also plays the piano and has sung in church choirs. He also is involved in community activities. But his Cisco career has him on the road and often out of the country.

That has taken a toll, too. Reflecting on his family (wife Ingrid; Christopher, 17, Madeline, 11), Carney points out, "I happen to be blessed with a wife who is a consummate juggler. She's my best friend. She knows when to pull me in." **MM**



Books

by Art Taylor

Family skeletons

A BITTERSWEET REUNION AT HACKBERRY HILL

Sibling strife, long-buried secrets and a country in the midst of social and political change provide the key elements in Julia Oliver's third book, *Music of Falling Water* (John F. Blair, Publisher, Winston-Salem).

Set in Alabama, the novels take place largely over one "mid-September weekend of 1918," during "a war that's put love on hold," and even the first few pages reveal how completely Oliver has inhabited this era, with an attentive presentation of period details and a vocabulary infused with connotations of days gone by. The first sentence introduces us to a character in a "lawn-party suit and straw boater," standing beside a "touring car that lusters with the sheen of disuse." The man, his wife Gertrude and his sister-in-law Lola are going "motoring" (not "driving"). The car is a Packard, usually kept under a "porte-cochere." Lunging into a "thoroughfare," it almost swipes a Maxwell (a precursor to the Chrysler). And though Lola doesn't know at first where the trio is headed, she suspects their destination is a resort known for its distinctively named mineral waters: "Freestone, Magnesium, Arsenic, Chalybeate, Black Sulphur, White Sulphur, Alum."

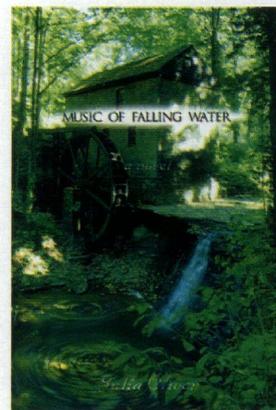
But they are actually off to the sisters' birthplace of Hackberry Hill, to rejoin their third, now-alienated sister, Kathleen. The reason for the meeting? A skeleton has been discovered at the bottom of the family's old mill pond—quite possibly the remains of a fourth sister named Rhoda, a presumed runaway who disappeared without a trace 15 years earlier.

Through the three sisters and their attitudes toward the past and one another, the author not only explores familial dysfunction, but also attempts to dramatize the social dynamics and historical concerns of the region and the nation.

This situation and the setting are both ripe for possibilities, and Oliver makes the most of each. Through the three sisters and their attitudes toward

the past and one another, the author not only explores familial dysfunction but also attempts to dramatize the social dynamics and historical concerns of the region and the nation. The sisters' varied personalities seem designed toward this thematic end: Gertrude, the oldest and most conservative, championing traditional values and eager to obtain (and maintain) a privileged position in proper society; Kathleen, still living at the old home, entrenched in the rural life but having forged her own individuality and discovered her own passions as a self-taught painter; and Lola, the youngest and most modern of the three, worried about a fiancé at war in Europe and inspired by the women's suffrage movement. (Lola, to some degree the main character, had wanted to study law, but instead a position was secured for her as a teacher of Latin and civics at the local high school.)

But while the war, suffrage and even issues of urban development can be listed among the book's concerns, the novel is primarily about the missing sister, the family's reunion and their shared remembrances of a past that they've previously been all-too-willing to forget.



Music of Falling Water
by Julia Oliver
John F. Blair, 2000, 276 pp.

At various points in the narrative, the author emphasizes how each sister had turned her back on memories of childhood. Kathleen, according to her children, is simply "not one to reminisce about when she was growing up." Gertrude attributes "her own serenity... to a fortunate spell of amnesia that simply erased her earlier years." And Gertrude forces this oblivious serenity onto Lola, whom Gertrude essentially adopts after their mother passes away. "You must concentrate on banishing that time before you came to live with us," Gertrude tells Lola, and the younger girl vows "to obliterate the first six years of her life."

It might be fair to assume that this near-obsessive decision

NEW AND NOTEWORTHY

Three More From Blair

In addition to publishing *Music of Falling Water* (its one fiction title of the year), the Winston-Salem publishing house John F. Blair continues to enhance its reputation for presenting quality regional nonfiction with two recent books focusing on Outer Banks history and a third revisiting the Civil War. Judith Mercier's *Duck: An Outer Banks Village* studies the evolution of a small fishing community into a major tourist destination—a place where from May to September, there are reportedly a thousand tourists for every Duck native. Using personality profiles, oral history, personal essays and black-and-white photographs, *Duck* documents the past and present—and speculates on the future—of this much-loved Dare County community. Raleigh writer Susan Byrum Rountree also turns her attention to the Outer Banks with *Nags Headers*, in which she visits with some of the oldest families along one of the state's oldest coastal settlements. Rountree supplements her journalism with both modern and historical photographs, including some from private family collections, to chronicle the history of Nags Head over 150 years. Historian Clint Johnson, who has published several guidebooks to Civil War sites, presents an even more specialized journey

with *In the Footsteps of Robert E. Lee*, traveling to important landmarks ranging from Lee's boyhood home in Alexandria to his Lexington grave; directions are provided to each historical site. Mercier, Rountree and Johnson will all be making appearances in Eastern North Carolina in conjunction with their new books; for specific information, check the **Author Sightings** section in MetroPreview on page ???.

Outdoor Adventure

As summer lures us out-of-doors and closer to nature, a couple of new guidebooks tell you what to do once you get outside. Raleigh author Lynn Setzer's *60 Hikes Within 60 Miles: Raleigh* (Menasha Ridge Press) provides detailed information about hiking opportunities within an hour of the capital. A wide variety of options—rural and urban, short and long, beginning and advanced—are presented, including maps and directions. And Setzer, a travel writer whose previous books include *A Season on the Appalachian Trail* and *Great Adventures in North Carolina*, promises to be an experienced and entertaining guide. Then, for those who prefer the water to the land, Pam Malec, general manager for Kitty Hawk Watersports in Nags Head, offers her *Guide to Sea Kayaking in North Carolina* (Globe

to dismiss the past is related directly, perhaps traumatically, to the disappearance of the fourth sister, but such is hardly the case. Despite the skeleton that has turned up and, in effect, summoned the family together, *Music of Falling Water* is ultimately not a mystery novel. Lola does indeed declare, "If [Rhoda] didn't run away, then someone must be responsible for her being on the bottom of the pond all this time," and several potential suspects are clearly presented to us (even if none of the other characters seem to be as suspicious as they should be of several odd events and connections). But though clues gradually emerge regarding the girl's disappearance—the pieces falling together in subtly surprising ways—what emerges more clearly is a portrait of the family's often hard life and the still simmering conflicts between them. As Lola remembers of their childhood: "The atmosphere of unease, of tension at the boiling point, was as palpable in that house as the haze of smoke that snaked from the wood stove through the doorways." And Kathleen still carries some bitterness about the division of their mother's estate: "Kathleen could remind Gertrude who has the silver service and the Haviland cups and who was left with heavy, graceless furniture that seems to have taken root beneath the floor and crockery that chips but refuses to shatter into pieces that could be thrown away." As the narrative dips into each sister's perspective, we discover long-held resentments and misunderstandings—the familial discord

whose resolution is surely as important to the novel as any potential revelations about Rhoda's demise.

However, though both plot and characters are engaging, I have to admit being frustrated at several points throughout the book. Occasionally, unclear shifts in point-of-view or a density of pronouns sent me rereading passages to re-find my way. Though the last chapter did indeed hold surprises, I felt as if I foresaw a few of the earlier plot twists long before they manifested themselves. And the narrative's tone and sensibilities at times seemed old-fashioned—for example, in sections involving Kathleen's son, Harold, whose behavior is referred to in one sentence as "prissy."

In one passage, Oliver writes: "Harold wonders himself why he likes womanish words such as *demeanor* and *comport*, and why he winces to hear himself say something like *jackass*, which comes so naturally to other boys." And elsewhere: "That Harold doesn't marry... puzzles his father but not his mother." Such dropping of hints about Harold's sexuality seems coy at best, and the motivation behind Oliver's choice to include this aspect of Harold's character—while simultaneously refusing to discuss it more directly—remains difficult to fathom. It's as if she's not only writing *about* 1918 but *in* 1918, and homosexuality remains a subject too taboo for publication.

Also, though Oliver's historical research is impressive, there are also sections in which the richness of period detail ironically disrupted my faith in the

narrative. At one point, Lola and Kathleen are discussing the latter's paintings and when Lola remarks, "I take it you're familiar with Picasso's *Boy with the Horse*," her sister replies, "Yes.... Most of what I know of technique has come from imitating the masters. Helen Akers, who operates the lending library, orders art books with me in mind." A nonchalant exchange, in many ways, and yet I found myself wondering how two sisters in predominantly rural Alabama were both so knowledgeable of a then-controversial painter whose New York debut had only occurred a few years earlier. Had Picasso's works begun appearing in mainstream art books at that point? Would the local lending library have been so up-to-date? Or is this just an instance when the dates seemed appropriate, even though the circumstances proved a less-than-easy fit?

During another exchange, Gertrude remembers the first motion picture to come to Hackberry Hill: "There wasn't a nickelodeon in town then, so the Edison Company's *Great Train Robbery* was projected onto a tacked-up sheet in the Grange Hall. The audience screamed when the outlaw shot straight at the camera." No doubt such a screening might have happened at that time, and the shot is a well-known moment in film history, but that unfortunately seems to be the whole point of including this reference: merely as a display of the author's skills in tracking down important cultural signposts.

Admittedly, such criticisms

are perhaps niggling, but these observations hopefully underscore some important considerations both for the readers of



Author Julia Oliver

historical fiction and for the writers themselves. Shouldn't the inclusion of significant historical references appear generally seamless? When the toils of research call too much attention to themselves, does the integrity of the narrative inevitably suffer? And while historical accuracy should certainly influence the plot of a book, to what extent should historical circumstances also influence stylistic choices and/or restrict thematic concerns?

In the case of *Music of Falling Water*, the book's strengths largely outweigh such small lapses. The sisters' stories are multi-layered, and the situation in which they find themselves—and find each other—is intriguing. Oliver's ability to present convincingly a time and place is admirable. And though the tone of the novel may strike some modern readers as slightly old-fashioned, such a sense of traditional storytelling surely has many appeals, and the book's visit to yesteryear provides not just a pleasant journey but a memorable one as well. **MM**

New and noteworthy, continued

Pequot Press). Whether you're a first-time paddler or a seasoned kayaker, Malec provides the tools you'll need for traveling from White Head Bay to Monkey Island (the northernmost trip) or from the Oak Island Lighthouse to Fort Caswell (the southernmost journey). Key elements of the book include maps, tidal information, interludes on the coast's natural history, and even suggestions about where to eat and stay.

A Fish Out of Water by Wesley Eure (Pelican Publishing Company). The Spring 2001 issue of Meredith's alumnae magazine explores how first-time children's book author Wesley Eure collaborated with the 12 illustrators, six graphic designers and three editors from the Meredith art department who collectively illustrated *A Fish Out of Water*. For those who don't get the alumnae magazine, here's a recommendation for a book that looks delightful. Meredith professors Regina Rowland and Linda FitzSimons headed up the design and illustration project, dramatizing in vivid scenes this story of a bird and a fish who, remarkably, fall in love with each other.

The Songcatcher by Sharyn McCrumb (Dutton). Is Sharyn McCrumb a better novelist or historian? Fortunately, we don't have to choose. In her recent *Ballad Series*, McCrumb plumbed

her immense knowledge of Appalachian history, folklore and customs to produce one terrific book after another. In her latest novel, *The Songcatcher*, she interweaves two engaging stories: the modern-day tale of a retired lawyer and his estranged daughter, a famous country singer, and the episodic first-person narratives of several members of the McCourry family, from Scotland in the mid-1700s to the Philippines during World War II. Tying the stories together is an old ballad, "The Rowan Stave," passed down from generation to generation—but perhaps lost to the latest descendants of the McCourry clan? Here's historical fiction at its most astute and with an engaging modern component. Highly recommended.

Uncommon Clay by Margaret Maron (The Mysterious Press). District Judge Deborah Knott travels to Seagrove, N.C., in this eighth installment of Maron's award-winning mystery series. A feud between two potters, James Lucas and Sandra Kay Nordan, ends in murder, and Knott soon discovers that this is neither the first death associated with the Nordan family nor the last. Maron's sharp sense of plotting and keen insight into her characters always ensures an engaging read, and a trip to Seagrove promises to be as pleasurable in print as in person. **MM**

The Leftover Left

LEAVING THE 'COMMIES' BEHIND

Born in the late 1930s and now reflecting from his 60-plus perspective on his American Communist past and his later conversion, Ronald Radosh has lived through the height of Communist influence in the world and beyond the collapse of Soviet Communism. In *Commies*, he provides a personal perspective on the American Communist Left of the '40s and '50s, the New Left that emerged in the late '60s and continued socialist revolutionary efforts into the '70s, and the Leftover Left and its lingering socialist illusions.

Radosh was a Red Diaper Baby born to Communist immigrants then living on the Lower East Side of New York. While Radosh was attending the "Little Red Schoolhouse" and summer "Commie Camp" in the Catskill Mountains, an older former Communist, Whittaker Chambers, was recanting his past and reporting that Alger Hiss, a high official in the United States government, was a Communist and Soviet spy. During the ensuing Red Scare and McCarthyism era, Julius Rosenberg and his wife were convicted of passing American atomic secrets to the Soviet Communists and were executed. The Rosenberg case defined their new American home for many Jewish immigrants from Europe, especially in light of the Holocaust, and many became convinced that

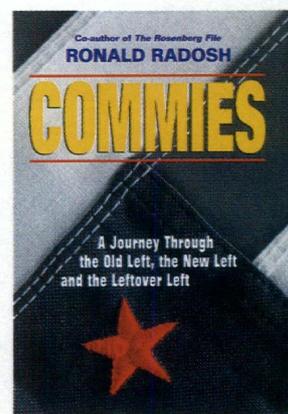
the Rosenbergs were innocent peace-lovers framed and murdered by an evil American government bent on the Cold War. Young Radosh, son of Jewish immigrants from Poland and Russia, agreed.

Later, as an academic historian, Radosh would study the Rosenberg case. Before then, however, as an undergraduate and graduate student in the American heartland, Radosh found enough fellow travelers to continue his Communist advocacy. He then returned to New York for his doctoral studies in history. He became a history professor at the City University of New York. From that post, he became a leading figure in the New Left.

Although he describes much of his journey in personal and political terms, Radosh includes many interesting observations about other people. His observations include anecdotes about his former comrades who remain on the Left and are in prominent positions in American institutions, including the mainstream media and academia. For instance, one former-comrade socialist is the intellectual inspiration for Hillary Clinton's "politics of meaning." Another, a Communist fellow traveler, is now a prominent college president and was director of the Clinton administration transition team for education in 1992 (and was commencement speaker at UNC-Chapel Hill shortly thereafter). Many of

Radosh's anecdotes are entertaining, such as the sexual promiscuity of a schoolmate who later became a famous folksinger. Many of his observations are troubling, if tiresomely true, notably the widespread sexual promiscuity and drug use among the New Left. And some are sad: the "liberation" infidelity of his first wife, the mother of his first two children, and her drug use with her psychologist as part of her "therapy." Much of Radosh's journey is inspiring, however, especially his devotion to his second wife and their joy upon the birth of their son soon after the death of their infant daughter. The birth "deepened our understanding of what is truly important in our life." Indeed, Radosh dedicates his memoir to his wife and his three children, "so they know where their dad is coming from."

Coming from his Communist past, Radosh joined others in having second thoughts about Communism. Prominent among them, of course, is Whittaker Chambers, witness against Alger Hiss and author of the acclaimed autobiography *Witness* (1952). Without Chambers' anguish, Radosh approached his second thoughts with an academic study of the Rosenberg case. He began believing in the Rosenbergs' innocence, but became convinced by the historical facts that they were guilty. He proclaimed their guilt in *The Rosenberg File* (1983). Although acclaimed as



Commies: A Journey Through the Old Left, the New Left, and the Leftover Left

by Ronald Radosh

Encounter Books, 2001, 216 pp.

the definitive history of the case, that proclamation cost him many friendships on the Left. Moreover, many on the Left admitted to him that they did not care about the historical facts of guilt; they cared only about the articles of faith of the Rosenbergs' innocence and framing by an evil American government. For Radosh, however, the experience meant that if the Left could be wrong about the Rosenbergs, it could be wrong about other matters.

Radosh's intellectual honesty expanded his second thoughts. When he traveled to Communist Cuba, he returned unconvinced that it was a socialist paradise. Then, during the American Left's political pilgrimage in the '80s to turn Nicaragua into a socialist state under the Sandinistas, Radosh parted company with the Left. He learned during his travels there that a clear majority of

Nicaraguans favored the opposition over the Sandinistas, as proven later by the 1990 election of Violeta Chamorro over Sandinista leader Daniel Ortega. Radosh also learned that Ortega, the new darling of the American Left (remember that *New York Times* photograph of Ortega in fatigues and sunglasses walking down Fifth Avenue), had regularly raped his stepdaughter since her pre-teens. That election ended the prospects for extending a Cuban-style socialist revolution throughout Central America.

It also ended Radosh's "long exile from America." On his journey home to America, Radosh read Sidney Hook's autobiography *Out of Step* (1987). Hook, an anti-communist democratic socialist, had stood against the totalitarian Left of his generation of intellectuals. As Radosh found, Hook saw the struggle for democracy as standing against totalitarianism of the Left or the Right, and Hook asserted "the defense and survival of the West was the first priority." On reading those words in the '90s, Radosh had "the shock of recognition" and his "eyes filled with tears."

Completing his journey, Radosh renewed his friendships with fellow former New Left leaders Peter Collier and David Horowitz. Collier and Horowitz had co-authored *Destructive Generation* (1989) expressing second thoughts about the '60s New Left. Like Radosh now, they had left their Leftist pasts behind. Collier became Radosh's editor for *Commies*, and Horowitz, like Radosh a Red Diaper Baby, had published an

encouraging autobiography, *Radical Son* (1997).

Radosh has now joined Horowitz as a leading conservative critic of the Left, writing essays such as "The Year of the Marxist Historians" about the current presidents of the two major associations of historians. As Radosh asks in that essay, "how and why are there still Marxists, and especially Marxist historians?" He promises to address that question another time. Now, however, in *Commies*, he reports on the Leftover Left. Radosh reminds us that Leftists, including some of his unrepentant former comrades, are influential in the Democratic Party and in the mainstream media. And, as Radosh reports from first-hand experience, Leftists are tucked

away in tenured posts in academia, "secure in their ability to continue to advance their old

Radosh reminds us that Leftists, including some of his unrepentant former comrades, are influential in the Democratic Party and in the mainstream media.

myths as if the world around them had not changed."

Radosh doesn't see much of his old comrades these days, but he knows that some of them still "dream secretly of revolution" and refuse to account for their

Leftist pasts. He quotes Arthur Koestler, former Communist and co-author of *The God that Failed* (1972), perhaps the definitive description of disillusion with Communism, in finding those former comrades "clinging to the last shred of the torn illusion" and "typical of the intellectual cowardice that prevails on the left."

Fortunately, Radosh is no coward. He has confronted the illusions he "once thought it would be impossible to live without." As he tells us in *Commies*, he now knows that "I would never have become a free man if I hadn't managed to get rid of them on my journey home." His journey makes compelling reading for those of us who welcome Radosh home. **MM**

Turmeric's

Steak House & Tavern



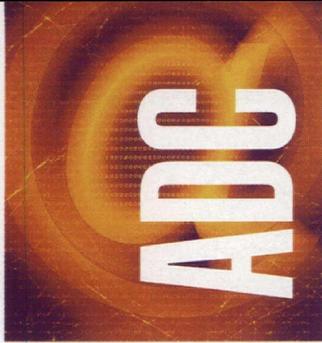
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by Rick Smith

Build a better mouse...

CAROLINA INVENTOR TOUCHES ON NEW COMPUTER TECHNOLOGY

Peter Crawford is living proof that necessity is often the mother of invention.

Having been put in considerable pain and frustration by the constant repetitive motions to operate a mouse while creating intricate engineering documents, Crawford set out to invent a better device to manipulate his computer.

The result of his endeavors, the "SafePointer," is now in the review process for a patent.

The futuristic device is designed to lie on your thigh and to cradle your right arm and hand. Resting your hand and wrist comfortably across the ergonomically designed service, you use the tip of your thumb and your fingers to manipulate your PC.

"I was doing a lot of programming, and I was suffering a lot of cramping and pain," Crawford, who works for the U.S. Department of Agriculture in Pittsboro, recalls. "I went in search for a better mouse. I really wanted to be able to sit back and rest my hands."

If SafePointer is as good as Crawford believes it is, millions of workers suffering from repetitive stress syndrome and carpal tunnel problems may have some relief.

While wireless modems and keyboards are widely available now, Crawford says there is nothing like SafePointer—thus the patent. Kevin Flynn, an intellectual property attorney with Daniels & Daniels in Durham, who attended Duke's School of Engineering, is helping Crawford protect his invention.

"Peter is suddenly using the tip of the thumb as a precision input," Flynn says, citing just one reason why he believes the SafePointer deserves a patent. "This goes against the grain of the past." He adds that it is "not a modified mouse," a device that dates back to the 1960s, but represents a leap forward in both technology and in addressing health concerns. "It solves a problem that has been around for a long time and that a lot of people have spent a lot of money trying to fix."

By creating a

device that rests on the thigh and responds to the slightest touches from thumb and fingers, Crawford believes much of the physical stress created by twisting and turning a mouse will be decreased dramatically. Although people will still need two hands for keyboards, Crawford says the transition of the Internet and computer aided design (CAD) programs to a more graphical environment, with plenty of "drag-and-drop" functionality, means PC users can utilize the SafePointer for many basic navigation and design functions. His invention also virtually eliminates the need for touch pads or track balls on PC keyboards.

He is

designing SafePointer to plug into standard USB ports on PCs.

It can be wireless or operated with a cord.

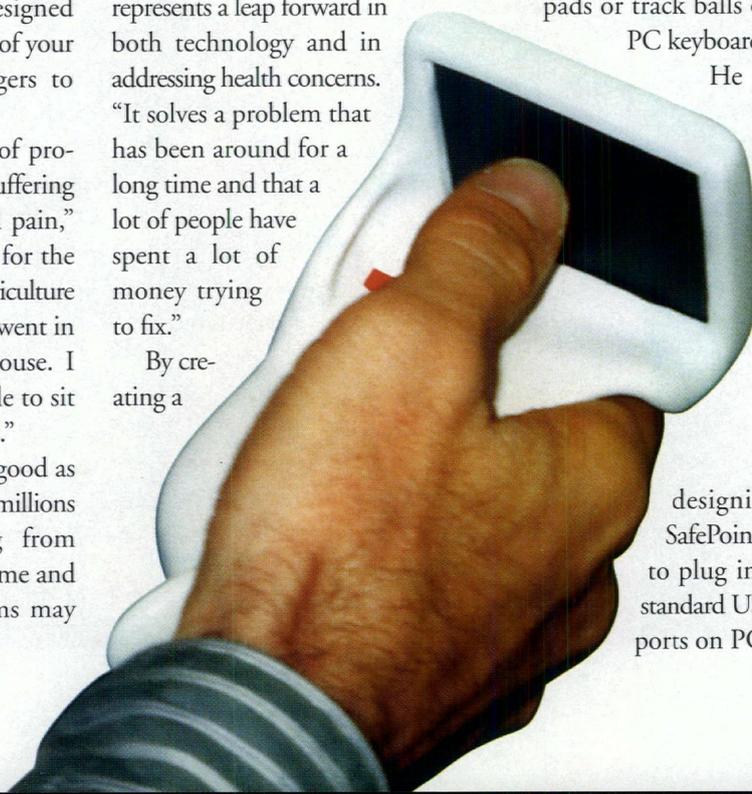
"I designed this based around the rotation of the thumb," he explains, noting its remarkable dexterity as well as strength. "There is a lot less stress."

Crawford also sees it as a boost for better posture. "I have terrible posture myself," he says. "I can now rest the weight of my arm on my leg... I just put my hand down and relax." Additional controls for the other fingers are embedded in the SafePointer mold. "You don't have to lift a finger to push a button," Crawford explains.

The device, which has progressed through three generations of design over the past three years and was created at a shop in Crawford's home near Chapel Hill, is extremely sensitive. It operates a bit like a joystick, and users can toggle commands similar to the way fighter jet pilots use their thumbs to access a wide variety of controls.

Crawford is quick to point out that having an idea and bringing it to reality are two vastly different tasks.

"I had to do a lot of reading and learning. I have a lot of sweat equity invested in this," he says, referring to the back-



ground in ergonomics as well as the engineering needed to design and produce his prototypes. "I made the first circuit board by hand. I had to prove it to myself. You have to grind yourself into the table."

SafePointer already has won some important support. The College of Business Administration at Southwest Missouri State in Springfield, Mo., which evaluates inventions, gave Crawford's device high marks.

"It will have a positive impact on society," the report states, and adds that Crawford has a potential broad national market with a "rapidly expanding, significant-growth opportunity." The SafePointer also has a "significant competitive advantage" and "might attract serious/large investors."

Crawford's eyes widen as he discusses the positive review. He's looking for potential partners to produce the device, and Flynn is helping. "He's going to have to find a strategic partner," Flynn says. "This is not a one-man show, selling from a road-side stand."

Even getting SafePointer to this point has been a remarkable success for Crawford, 42. He was graduated from Chapel Hill High School in 1978, and, despite a love of technology, he went to work as a motorcycle mechanic. "I got sick of being in the shop," Crawford says with a laugh, so he enrolled at North Carolina State and received an engineering degree in 1990. (He and his wife, Katherine, have a daughter, Caitlin.) But his new career over time produced the wear and tear on his right arm, wrist and hand that drove him to become an inventor.

As designed right now, SafePointer is for the biggest share of users: right-handers. Crawford knows he has to build a version for southpaws, adding "I'm left-handed!"

Sir John's newspaper

TEMPLETON MOVES

HEADQUARTERS TO DURHAM

Sir John Templeton, one of the world's richest and best-known philanthropists, has moved the editorial offices for his monthly newspaper to Durham. *Research News & Opportunities in Science and Theology* is edited by Dr. Harold Koenig of Duke University.

The newspaper, as its name indicates, focuses on faith and technology. Templeton's foundation hosted a symposium at Duke in March on "Faith in the Future: Religion, Aging, and Healthcare in the 21st Century."

Dr. Linda George, who is associate director of Duke's Center for the Study of Aging and Human development, is

on the newspaper's editorial advisory board. The newspaper's headquarters were formerly located in Chicago.

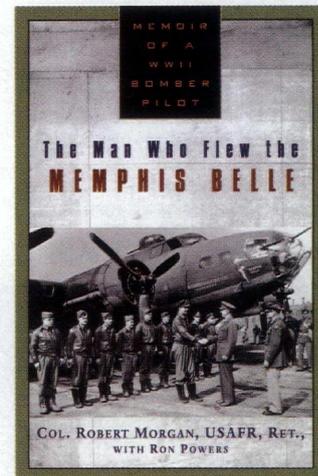
Helping make the move was George Lawrence, the former publisher of the *News & Observer's* business operation in Durham. Lawrence recently left the *Ne&O* to launch his own consulting and media relations business, G.H. Lawrence & Associates, in Chapel Hill.

Memphis Belle memoirs

COL. BOB MORGAN, AUTHOR AND WEB BUSINESSMAN

Col. Bob Morgan, the 82-year-old Asheville native who flew the *Memphis Belle* B-17 in World War II, recently published his life story: *The Man Who Flew the Memphis Belle*. Ron Powers, a Pulitzer Prize winning journalist, collaborated with Morgan on the book, which follows Morgan from his earliest days in the mountains of North Carolina to flying a supersonic B-1B bomber at 80+ years of age.

Named for one of Morgan's wartime sweethearts, the *Belle* and its crew were the first to complete 25 missions in Europe and were returned stateside to sell war bonds. Morgan went on to fly B-29s



and led the first firebomb raid on Tokyo. The *Belle* story was turned into two successful feature films, including a wartime documentary. The late Cecil Scott of Arapahoe, N.C., was his ball turret gunner.

Morgan's book is compelling, filled with heartache (his

Tech briefs

The economic slowdown, including the demise of Durham-based **LocalBusiness.com**, which has been especially harmful to the technology sector, hasn't stopped Triangle entrepreneurs from launching new ventures devoted to the Triangle's IT community. ■■■ Brothers Randall and Eric Gregg launched a monthly tech newspaper in April called **Triangle Tech Journal** www.triangletechjournal.com, and the paper continues to grow. The Greggs operate out of offices in Durham. ■■■ The newest entrant is **Bill Turner** of Raleigh, who launched a business-only Web site www.trianglebusinessnews.com on June 18. Turner, who built and sold a series of city portal information Web sites, decided to create *Triangle Business News* after the demise of **LocalBusiness.com**. ■■■ But another major player in the business news sector isn't about to be left behind. The *Business Journal* in Raleigh www.triangle.bcentral.com/triangle/ is part of parent **American City Business Journals Inc.** chain which recently launched a new Web effort in conjunction with Microsoft. Each of the chain's more than 30 weekly newspapers publishes daily Web updates. Breaking national news also is offered online. ■■■ Meanwhile, don't be surprised if **LocalBusiness.com** writer **Allan Mauer** doesn't show back up on the reporting scene in another capacity. He has some thoughts about going into business for himself and is working on a business plan. MM

mother committed suicide), failed marriages, the horrors of war and struggles through post-war business failures. Morgan writes that he will never forget the smell of human burning flesh from those fire raids over Japan that killed hundreds of thousands of civilians.

"I can feel those old vibrations, hear the sounds of the old machineguns firing, and if I glance up at the old photograph on the instrument

panel, I can still see that young face there," Morgan writes, recalling the *Belle's* namesake, the late Margaret Polk. He often returns to Memphis to meet with surviving members of his crew and to see the plane.

He also continues to make his mark as an entrepreneur on the Web, proving one is never too old to learn new tricks or new technology. He and his wife, Linda, sell a variety of

World War II memorabilia, photos and personalized copies of the book at their website www.memphisbelle.com.

Morgan travels the country to attend air shows and still flies. He'll be in Eden, N.C., for an air show on Oct. 26 and 27 at Shiloh Airport. For details, check out his Web site.

"*After Dot Com*" writer Rick Smith offers weekly updates and breaking news online at the *North Carolina Road Runner*

Web site www.nc.rr.com, hosted by Time Warner Cable. Look for Smith's columns under the Technology section. **MM**

HIGH-TECH CALENDAR

Aug. 16-17
Second annual Animal Genomics Symposium—"Functional Genomics"; North Carolina BioTech Center, Research Triangle Park; www.ncbiotech.org for information

Sept. 5
Business Showcase by Raleigh Chamber of Commerce; www.raleighchamber.org for information

Sept. 9-11
Seventh annual North Carolina Healthcare Information and Communications Alliance conference—"e-Health: Tactical and Practical Solutions"; Asheville; www.nchica.org for information

Oct. 5
Genetic Science and the New Millennium; North Carolina State University, Raleigh; Wendell_mckenzie@ncsu.edu for information

Oct. 10
North Carolina Knowledge Nova conference—"Energizing Tomorrow's Workforce"; Charlotte; www.nceita.org for information

Oct. 14-17
Motor and Equipment Manufacturers Association (headquarters in RTP) **annual fall IT conference—"Aftermarket Web Challenge"**; St. Pete Beach, Fla.; www.mema.org for information

Oct. 24-25
Computer and Technology Showcase; Charlotte; www.techshows.com for information

Oct. 31
RTP InfoTech 2001; The Friday Center, University of North Carolina at Chapel Hill; www.cednc.org for information

NOTE: Please send your high-tech events for possible listing to rsmith8@nc.rr.com

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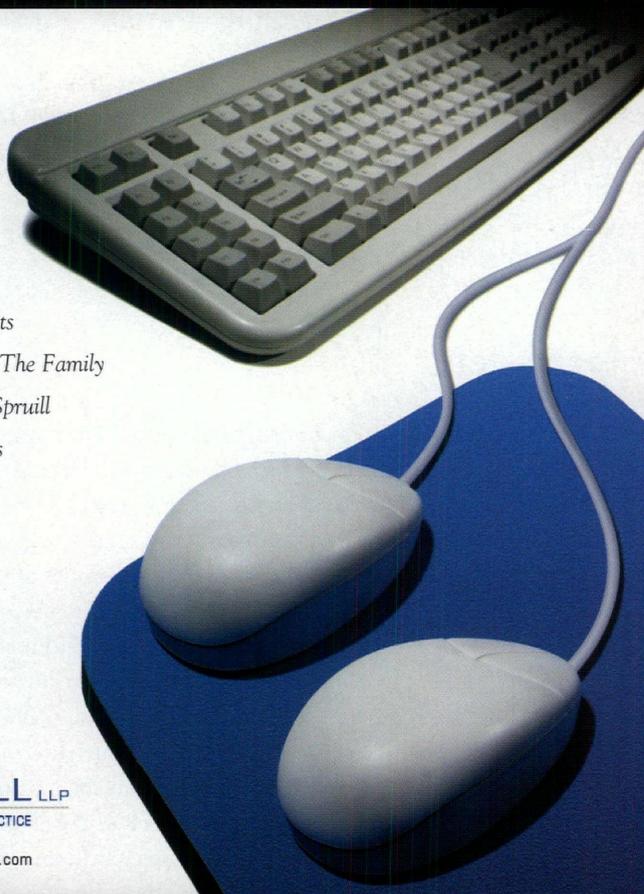
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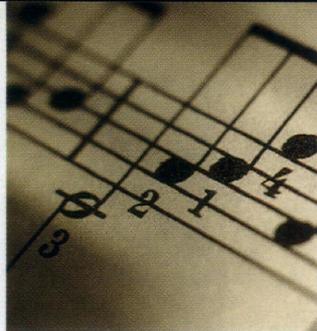
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PvV

by Philip van Vleck

Down from the North

NEW ENGLAND NATIVE FINDS HIS RHYTHM IN THE SOUTHLAND

Durham-based singer/songwriter Jon Shain has just released a new collection of tunes, titled *Fools and Fine Ladies*. Working with regular collaborators F.J. Ventre (bass) and John Currie (dobro), and a handful of guest players, Shain cut the album at Jerry Brown's Rubber Room recording studio in Chapel Hill. The entire process, from basic tracks to mastering, took a week.

The 11 original songs that constitute *Fools and Fine Ladies* represent the best group of tunes Shain has ever released. His songwriting has become quite distinctive. The shaping influences of Jerry Garcia, Bob Dylan, bluegrass and the Delta blues remain active in his work, but he's clearly reached the level of musicianship where his sound and his songwriting style are very much his own.

Fools and Fair Ladies is the second solo album Jon has released. His music career has shifted from playing in bands he founded—Flyin' Mice and Wake—to working under his own name and doing what is essentially a solo acoustic gig. It's a career path that's growing increasingly common among rock and roots rock artists who are particularly keen on songwriting. Jon has lived in

Durham for about 15 years, but he's a native of New England. The chance to go to Duke brought him to North Carolina in 1986.

"I grew up in Massachusetts, in an old mill town called Haverhill," he said. "It was known back in the 1930s and '40s for its shoe industry, but all that was dying by the time I was a kid. The town was kind of a polluted, dying town. Since then, however, it's picked up, thanks to commuters. People are willing to commute 45 miles to Boston now."

Shain had been into music since his rock band days in high school, so it was no surprise when he found himself back in the band thing during his Duke days. It was, among other things, a good way to snag extra money. "While I was at Duke I was in a band," he said, "and we'd play fraternity gigs and stuff like that. The bass player, John Whitehead, and I were really into Hot Tuna, so we decided to do this little acoustic duo thing on the side. Hot Tuna and Taj Mahal tunes constituted 80 percent of our repertoire. Our plan was to leave Durham, move to California and be in a rock band. We were going to San Francisco. It was a very glamorous idea," he laughed.



DOIN' HIS THING *Fools and Fair Ladies* marks Jon Shain's second solo outing

Jon was graduated from Duke in '89 and primed for a trip to the left coast, but events developed in an unanticipated manner. "This guy named Charles Jones, who had this record label called Dr. Lime Records, offered to put out a CD with us," he explained. "That became Flyin' Mice's first album. I don't think we had a band name when we signed the deal with him. He basically came around and said he would put out our album on his label and pay for the whole thing. That was enough to convince us to stick around."

"Things changed a lot after that," he remembered. "I assumed that our record would happen in the course of a couple months, but it took two years. I also thought that this meant all the things happening that you read about in the music mags, but it was actually just the beginning of learning how to work for yourself. I learned that it wasn't being handed to me on a silver platter after all, and that I was just going to have to go out and work for it."

Flyin' Mice became a popular Triangle band, attracting



COURTESY OF JON SHAIN

FLYIN' HIGH Flyin' Mice managed to hit the big time but got lost along the way

something of a Deadhead following. In retrospect, the guys in Flyin' Mice were a little bit ahead of their time. The current popularity of bands such as String Cheese Incident and Leftover Salmon—bands doing essentially what Flyin' Mice were doing 10 years earlier—testifies to the fact that Shain and his bandmates were a little too far in front of the curve.

"I began to get disillusioned with Flyin' Mice in about 1995," Jon noted. "We were not getting along great as people, and the weird thing was that it was paralleling our success. The more successful we were getting the more unhappy I was getting. By the time we ended, we'd reached a plateau where we were really well known. We'd built this up, but at the same time, inside the band there was this erosion going on. Some of it was personal, some of it was musical. I was writing a lot of songs that weren't getting played by the band, so I started playing solo shows at The Cave in Chapel Hill."

As Flyin' Mice was breaking up, Shain was forming the

band Wake. It was supposed to be a more accurate reflection of where-he-was-at musically in '95, but it never really panned out as it should have. "In retrospect, we should've taken time off, but we went straight into another band," he said. "We took gigs that were booked as Flyin' Mice shows. I thought we could translate that crowd, but it didn't work, because Wake didn't sound anything like Flyin' Mice. Wake was like an alternative country band, but it wasn't roadhouse music. I don't even know how to describe that band. Some of the vocal stuff we were after was like a folk, country version of Fairport Convention. Wake was doomed from the start."

Okay, another band down the tubes. Shain was getting tired of doing group things by 1997–98.

"When Wake broke up, I decided I was gonna' go out under my own name," he explained. "You see, every time the band name changes, you have to start from scratch. I figured if I started using my own

name, that would be good for the rest of my life."

Shain's musical experience during the 1990s was ultimately a reductive process. By the end of the decade he'd come to the conclusion that he was a singer/songwriter and he needed to work more simply. He shifted to a thoroughly acoustic sound and returned to the music scene facing a somewhat different audience.

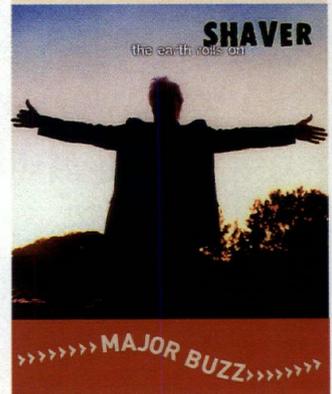
"I had to figure out how this was gonna work," he recalled. "A lot of the models that you create in a band context don't work playing solo. I had to go through the whole list of songs I'd written over the years and decide which ones would work and which ones wouldn't, or which ones had to be rearranged.

"The other thing I had to do was go through that song list with an axe, because some of the lyrics just weren't good enough," he added. "I mean, all of a sudden I was playing in rooms that weren't full of drunks. People were actually listening to every word I sang. I always considered myself a songwriter, but the stakes get higher when you're playing solo, or playing with a couple of guys, all acoustic. And you can't just strum your guitar like you can when you've got a drummer. You've gotta create the low-end that's gone. Now I play with an upright bass player, so that isn't as big a deal, but still, my guitar playing had to improve—and it has."

Readers can check out Jon, snag downloads or purchase *Fools and Fine Ladies* at: <http://members.aol.com/flyin-rex/jshain.htm>. **MM**

MUSIC FOR SALE

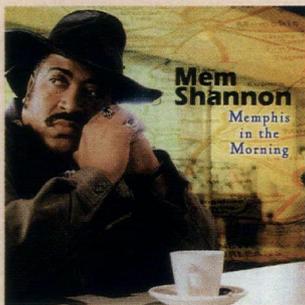
Shaver:
The Earth Rolls On
(New West)



There's no such thing as alternative country, okay? Either it's country or it's something else. Billy Joe Shaver is something else. His music is exactly what Texans do when they like country and rock, and when it comes to working convincingly with this messy amalgam, no one nails it like Billy Joe. Factor in Ray Kennedy as producer and the late Eddy Shaver on lead guitar and the basic vibe is necessarily Texas-roadhouse-Saturday-night. Shaver's known for writing some hard-life, hard-luck, tunes, and "You're Too Much for Me" and "Restless Wind" fit that bill, though neither compare to the grim vibe of "The Earth Rolls On," a song Shaver wrote for his wife, Brenda, who died in 1999. This track hovers over the album like a dry-line thunderstorm. Billy Joe does know how to lighten up, however, and he proves it with the positively optimistic "Love Is So Sweet" (the arrangement is even upbeat) and the witty trashing of Yellow, Texas—"Leaving Amarillo." This music has tons of character and it's too real for Garth Brooks fans. What else do you need to know?

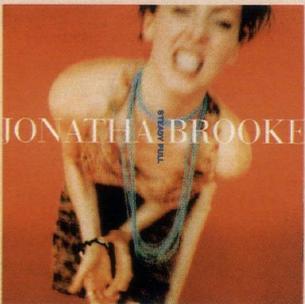
Music for Sale, continued

Mem Shannon:
Memphis in the Morning
 (Shanachie)



Looks like it's time for Shannon to frame his hack license and hang it on the wall. The former New Orleans taxi driver has released his fourth solid blues album and he's very much the master of his pleasing, low-key, sound. For this recording Shannon left the Big Easy and dropped in at Ardent Studios in Memphis. He brought the fabled Memphis Horns (Wayne Jackson and Andrew Love) into the deal for a touch of their soulful vibe. Not that Shannon was into some kind of big horn production. Rather, he keeps it simple while Jackson and Love offer the kind of tasty embellishment that fits Shannon's groove, which is very laid back. Shannon's an interesting blues artist, in that he's a rather quiet, very tasteful guitarist with a vocal sensibility that's more R&B than, say, Chicago blues. Drop into this album anywhere and Shannon's restrained, warm sound will catch your ear.

Jonatha Brooke:
Steady Pull (Bad Dog)



Singer/songwriter Jonatha Brooke's latest is a smart, catchy,

collection of original material that should be on everyone's playlist. Like Ani DiFranco, Brooke is an example of a massively talented female artist who's releasing stellar albums on her own label, yet finding little recognition beyond indie music fans. Perhaps that's just as well, considering the sheepish, uncool, mentality that rules pop music. Brooke can definitely write a pop tune. The opening track on the album, "Linger," with its bright guitar sound and memorable melody line, is as radio-friendly as anything Alanis or Jewel ever wrote. But unlike Alanis and Jewel, Brooke's material is never narcissistic or vapid. The rest of *Steady Pull* plunges deeper and requires some measure of intelligence on the part of the listener. Check the dress songs—"Red Dress" and "New Dress"—as well as "How Deep Is Your Love?" and the title track, as Jonatha raises the creative ante.

Lovano:
Flights of Fancy: Trio Fascination, Edition Two (Blue Note)



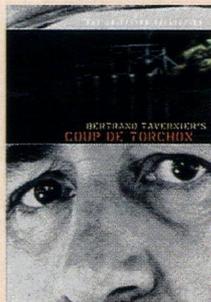
Reed player Lovano released the excellent album *Trio Fascination* in 1998. He was accompanied on that outing by Elvin Jones and Dave Holland. His return to the Trio Fascination concept is more elaborate, as he works with four different trio configurations. Lovano gets into an edgy, avant sax groove with his original "Off and Runnin'," with Billy Drewes and Joey Baron, picks up a bass clarinet for the shadowy "Windom Street," and mines the intriguing dissonance between his sax and the trumpet of Dave Douglas on "Amber." The oddest trio lineup—

Lovano, Toots Thielemans (harmonica) and Kenny Werner (piano)—produces one of the most melodically ripe and wistful tracks, a somewhat cinematic take on Wayne Shorter's "Infant Eyes." The Lovano-

Thielemans-Werner trio also produces a very free-form version of "On April (I'll Remember April)" that's certainly one of the highlights of the CD. Lovano continues to follow one of the most innovative muses in jazz.

VIDEOCENTRIC

Coup de Torchon
 Criterion Collection; 128 mins.
 Feature Film. DVD.



Director Bertrand Tavernier described his effort here as the first African film noir. Released in 1981, *Coup de Torchon* (Clean Slate) is set in Senegal (French West Africa) in 1938, and details the transformation of provincial police chief Lucien Cordier (Philippe Noiret) from harmless slacker to murderer. Initially characterized as an ineffectual, henpecked functionary who's widely disrespected and the butt of all sorts of abuse, Cordier undergoes something of an epiphany after a meeting with his local superintendent and we quickly perceive a much darker, more Machiavellian, side of his personality. He begins systematically to murder everyone in Bourkassa who has crossed him. Tavernier clearly draws a parallel between Cordier's madness and the French colonial experience, but it's on the level of character that this film becomes extraordinary. Virtuoso performances by Noiret, Isabelle Huppert (Rose) and Stéphane Audran (Huguette Cordier) key this brilliantly realized portrayal of racism, corruption and insanity as a basis for making moral decisions.

Cancer Warrior
 WGBH Boston Video; 60 mins.
 Documentary. VHS.



As a young physician, Dr. Judah Folkman was drafted into the U.S. Army to study the feasibility of drying plasma and then reconstituting it. While he was engaged in this research, he began to theorize that cancer tumors couldn't grow without a network of blood vessels. Later research led him to propose that tumors secrete a molecule that stimulates blood vessel growth (angiogenesis). Initially discounted by cancer researchers as a crackpot theory, Folkman eventually proved his claim and opened a new field of research in the fight against cancer. This excellent medical documentary, originally aired in the PBS series Nova, charts the course of Folkman's inspired research, which led to the development of Endostatin, a drug currently in clinical trials which may halt the growth of tumors. Endostatin shows particular promise in terms of inhibiting the growth of metastasized cancer cells. This is a fascinating video and a bit of good news from the field of cancer research. Check it out at: www.wgbh.com. **MM**

SOS

continued from page 13

It's not the first time Green's words have been changed. In fact, Green himself and the drama's many directors took their turn at the script, changing the nuances of a play originally intended to be a one-time production to celebrate the 350th anniversary of the pioneering colony at Roanoke.

Ungrateful academics

PROFESSORS CALL FOR SHORTER YEAR

Following briskly on the heels of successful bond issues, Wake County schools are asking for a 5-cent hike in the property tax. The public must wonder why they did not receive a thank you, much less another demand.

Over at UNC, the recipients of the largesse of public bond money, the first word out of Chapel Hill is a demand that all 15 campuses reduce the number of teaching days per semester to 70 from 75. Again, the public must wonder at the lack of reality emanating from the academic establishment.

According to UNC-Chapel Hill faculty chair Sue Estroff, "What people need to understand is, this is not about less work. [Keeping the current number of work days] is about cutting into faculty preparation time and research time."

Let's do some quick math. A university teacher is required to work 150 days in an entire year while non-academic workers toil 261 days a year—a difference of 111 days. In addition, most non-university workers also do not enjoy 100 percent paid retirement and insurance policies (courtesy of North Carolina taxpayers), the entire summer off, a working day with no pressure, nor the time to take on extra research projects, study/travel excursions

EYES ONLY

After 25 years as a powerhouse regional developer, **Carlton Midyette** is stepping away from Carolantic Realty's helm. Midyette, 52, ceded his duties as president to company veteran Jimmy Barnes on June 30. Midyette will continue to invest through Carolantic, though he aims to get involved with other **local business projects** and is looking forward to balancing out his "personal portfolio."

■■■ "Talk about a literary sensation," says *Newsweek*. No, the national weekly isn't talking about some up-and-coming Tar Heel author. Instead, in its June 11 issue, it hailed **Quail Ridge Books** owner Nancy Olson for being the little bookseller who creamed eight national chains in the area. Her tips? Treat your booksellers like the book-reading pros they are. A whopping 1800 **special events** last year didn't hurt either! ■■■ Eyes hears concerns that the giant **SmithKline-Beecham**, who recently took over RTP-based Glaxo, will inevitably have to move all of its sales and marketing staff to **Philadelphia**. The word is, they are too far out of the power loop down here. ■■■ How do you remove an abscess from the face of an eastern **diamondback rattlesnake**? That and other quirky veterinarian dilemmas are explained as part of a new agreement between N.C. State and the N.C. Museum of Natural Sciences. While the museum's critters get lots of tender care, **aspiring vets** get to work with exotic and native wildlife species.

■■■ Caffè Luna, a favorite **pre-show**

and outside jobs to make extra money. Even harder to accept is that most university professors enjoy tenure, an indulgence not enjoyed by working people.

Salary scales for full professors at UNC

haunt of Raleigh's arts patrons, is getting symbiotic with the new BTI Center: Diners now can catch a free shuttle to the symphony or ballet after dinner and then **catch a ride** back to the restaurant afterward for a nightcap on Moore Square. The twin challenge of maneuvering on Raleigh's one-way streets and searching for near-by parking makes the idea of a free ride to-and-from the center's door sound like a winner. ■■■ "All roads lead to a cul-de-sac in this booming **high-tech hometown** of transplanted Yankees," blurts *National Geographic*. In dissecting the rags-to-riches growth of Cary, the venerable monthly, in its June issue, publishes several photos and a brief write-up touting the town's **surging growth** from a one-stoplight-town in 1960 to 100 in 2000. The key to Cary's growth? Research Triangle Park. ■■■ The NFL teamed up with N.C. State in June to get a handle on the rise in abusive and even **violent parents** of young footballers—an alarming trend throughout the country. After building a Youth Sport Education Program, the project, which is expected to go nationwide, will be fine-tuned **mostly Down East** during pilot programs in Raleigh, Burlington, Wake Forest, Cumberland County, Jackson County, New Bern and Edenton. ■■■ If you're into **barbecuing** like most of us, here's your cue: Stephen Raichlen, best-selling cookbook author of *The Barbecue Bible*, will be holding a **cooking class** and dinner at Ferrington House Restaurant in Chatham County on July 15. In addition to learning the latest cooking techniques, you'll enjoy a **feast from the grill**, prepared by Raichlen and Ferrington's executive chef Cory Mattson—and will receive a copy of Raichlen's latest book: *How to Grill: the Complete Illustrated Book of Barbecue Techniques*. ■■■

campuses range from \$90,000 to \$150,000 a year, while they work 60 percent less than even professionals in other fields.

You really can fool all of the people all the time. ■■■

Metro INDEX

Rate for Class-A office space in London's West End: \$158 per square foot

Rate for same space in Boston: \$79 per square foot

In the Raleigh area: \$22 per square foot

National ranking of the Raleigh area as a place to get a good deal on Class-A space: 2

Total *Metro* readers who are women: 52 percent

Male *Metro* readers who are between 18 and 29 years old: 28 percent

Male *Metro* readers who are between 30 and 49 years old: 22 percent

Metro readers who have graduate degrees: 42 percent

The magazine's readers who have a high school degree only: 1 percent

Wilmington's ranking among nation's "best small art towns": 23

The radius around Wilmington where you can find the only naturally occurring specimens of the Venus Fly Trap: 100 miles

This year's largest single corporate gift to the North Carolina Symphony, courtesy of Carolina Power & Light: \$100,000

Number of times a human heart beats in a year: 35 million

Number of community colleges scattered throughout North Carolina: 58

Number of Tar Heels who take one or more courses at a North Carolina community college: 779,000

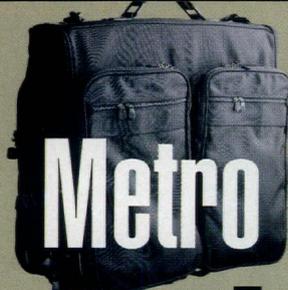
Total number of square miles of the Old North State: 48,711

Total number of U.S. square miles: 3,537,441

Number of people per square mile in North Carolina: 165

Number of Americans per square mile in the entire United States: 80

Vermont Sen. Patrick Leahy's recent one-liner to N.C. legislative stalwart Jesse Helms, who drives a motorized cart around the U.S. Capitol: "Come on, Hot Wheels."

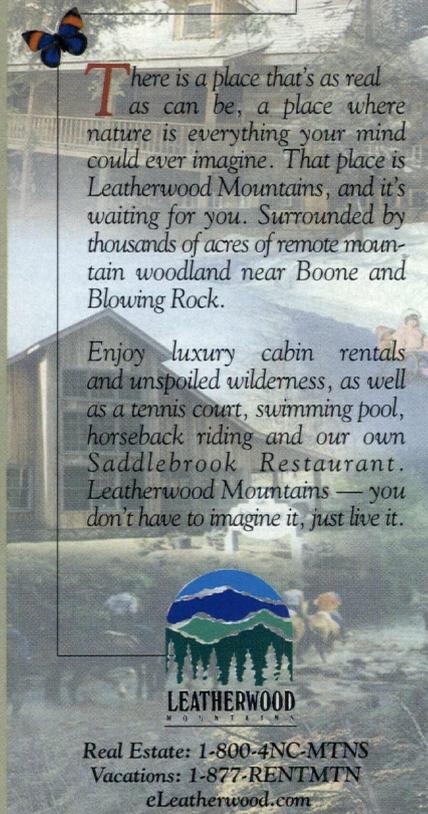


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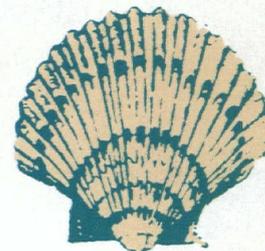
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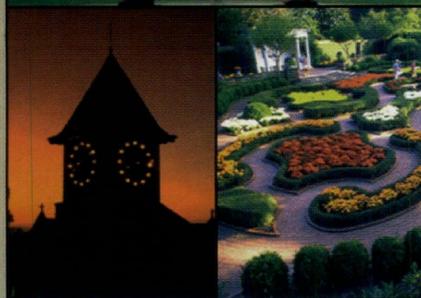
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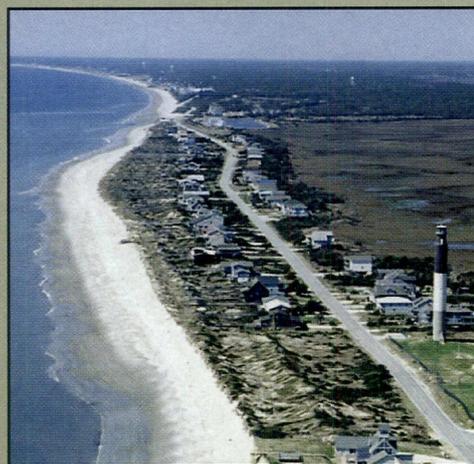
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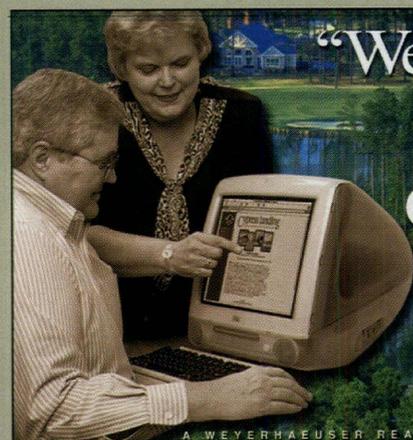
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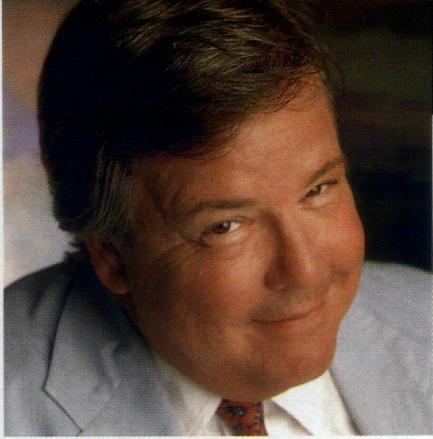
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My Usual Charming Self

by Bernie Reeves



NO TIME FOR HEROES

This business of heroes keeps popping up since Bill Bennett got the ball rolling during the Reagan administration. He enjoyed the bully pulpit of Education Secretary to lament that the missing element in the cultural miasma afflicting our society is the lack of people to admire, or, more accurately, the lack of praise of people who should be admired.

Bennett continues to be the spokesman for the neo-conservative movement in direct opposition to his lawyer brother Bob, who carried the water for the Clinton administration during the various crises that have left an ignominious residue on Bubba's stint from 1992 to 2000. They appear together on TV talk shows arguing the vicissitudes of the politics of the New Millennium and Bill tosses out abstruse tomes on the decline of civilization every year or so.

Bill lived amongst us here in the Triangle area from 1977 until the early '80s as executive director of the then newly created National Humanities Center, a hard-fought-for plum that located in RTP after spurning full court presses from Palo Alto, Austin and Boston. The idea was to create a competing think tank to the math/science trends of the last 40 years and give the humanities a place in the pantheon dominated by computers, biotech, space technology and telecommunications.

Bill, a Williams College graduate, held the position of assistant to the president of Boston College, not exactly a top echelon launching pad for the heights he has reached since, when he landed a job as administrative assistant to the sexy and photogenic Charles Frankel, the Columbia University humanities scholar who was picked to head up the National Humanities Center. Bill was sent down to our area ahead of Frankel's arrival to handle the details, including the construction of the modern monastic facility for the center.

Bill wheeled around the Triangle in a '57 Chevy as a single man about town, later marrying a local girl, all the while preparing the sacred ground for the arrival of the eminent Dr. Frankel, who remained in New York and appeared as the presenter for a public television series on the importance of the humanities in our scientifically secular age.

Then fate intervened in an appalling fashion. Frankel and his wife were murdered in their beds in Rye, New York, by a cult of Rastafarians, according to press reports of the time. There has been no other information forthcoming on the murders but the net result was that administrative assistant Bill Bennett, after waiting through a search process for Frankel's replacement, found himself named Executive Director of the National Humanities Center, a prestigious summit with access to political and academic power that set him off on the road to his national prominence today.

SIMPLE TWIST OF FATE

That said, Bill Bennett did become, by a murderous twist of fate, the right man at the right time to express the angst felt in the

U.S. in the aftermath of Vietnam, Watergate and the Iran hostage crisis that led to the Reagan Revolution. Bill was the movement's most eloquent booster and he remains persistent in reminding the Left-dominated intellectual coteries in D.C. and New York of the error of their ways, most notably by weaving through his books, articles and appearances the notion that the absence of heroes is affecting the body politic in negative ways.

Bennett continues to be the spokesman for the neo-conservative movement in direct opposition to his lawyer brother Bob, who carried the water for the Clinton administration during the various crises that have left an ignominious residue on Bubba's stint from 1992 to 2000.

This theme is now embedded in the national dialogue, but lamenting the void of heroes has the unintended consequence of demeaning the personal and collective esteem of Americans. For example, NBC anchorman Tom Brokaw, keying off of Bennett's theme, has created a cottage industry with his two books on the World War II generation, as if to say these men and women were real heroes with no equivalent today.

Yet, even the most decorated veterans of the World War II era make it clear that they did not set out to become heroes, they

just did their job. Heroes, it seems, are not born but created by events. And the events have to be interpreted in the right light to qualify for hero creation. Just ask the servicemen who fought in Vietnam and acted as courageously as a Marine on Iwo Jima. No hero's mantle for them due to the media onslaught that declared Vietnam a "bad" war.

Today, heroes are few and far between in the aftermath of the anti-war campaigns of the Vietnam era due to the interpretation of war by the mass media. And there is another connection here that militates against the concept of heroism, the steady march forward on campus of the Marxist interpretation of history that poisoned national pride during Vietnam and still infects newsrooms

across the Western world, despite the defeat of Soviet communism.

In the Marxist view, history for too long was seen through the lives of the great men and women who dominated the world stage from Achilles to Eisenhower, from Aristotle to Einstein, from Moses to Jesus to Mohammed, from Pericles to Queen Victoria. They maintain that the ordinary men and women of history have been ignored and their contributions nullified. In an effort to lift up the masses, it has become necessary for modern historians to desecrate the great individuals from history (you know, by demeaning them with details about Thomas Jefferson's slave lover, FDR's affair etc.) and by this threat, preventing others from reaching that status. The academic and media personal criticisms of successful people today make the point. Fewer and fewer quality people want to run for office or engage in high profile public service for fear of attack. We've gone from hero worship to hero homicide in 40 years, led by the forces that wish to level society.

With no world cataclysm to find out who is and who is not a hero, and with the academic/media axis poised to pounce on people of exceptional achievement in the name of the masses, is it any wonder heroes are few and far between? The key question is, if an event presents itself, will heroes be made? Will young people, propagandized in the classroom with postmodern behavioral patterns, such as self-esteem and sensitivity training, rise to the occasion? Have we gone too far by allowing education, government and workplace restrictions to grind the formerly sacrosanct notion of the individual, and the concurrent right of free speech, out of our definition of quality human existence?

Of course courage and heroic behavior occur every moment. People you know bear burdens bravely every day. Medical, family, business and personal problems are borne often without a whimper of complaint. Yet, if the chips are down, as in war, will we have heroes willing to give their lives for others without question? Let's hope we never have to find out. MM

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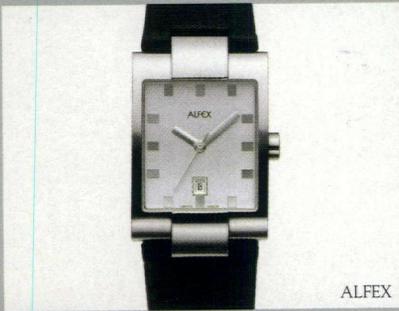


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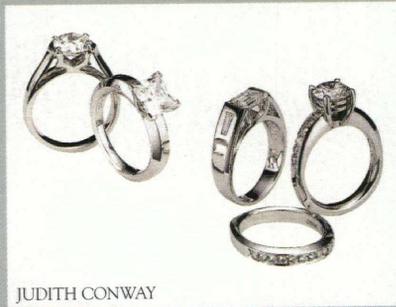


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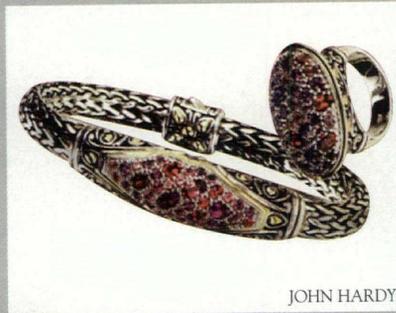
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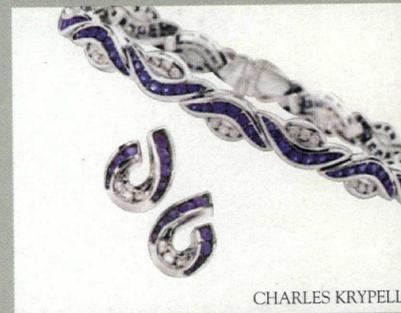
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