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Perdue speaks with educators as budget veto looms

By GARY D. ROBERTSON - Associated Press

GREENVILLE, N.C.—Democratic Gov. Beverly Perdue said Monday she's not being coy about her decision on whether she'll veto a Republican-written state budget she has criticized repeatedly for harming school children and potentially laying off thousands of teachers and university faculty.

After an informal briefing with about 50 educators and law enforcement at a new Pitt County elementary school building, Perdue said she's looking closely at the budget plan that came to her desk over the weekend with what appears to be a veto-proof majority.

State education officials have said the $19.7 billion spending plan for next year could eliminate more than 13,000 positions, including 9,300 in the public schools. Republicans have said those numbers are exaggerated and don't take into account usual employment attrition and more than $250 million in unused federal money. Perdue said she's still collecting information and listening to local educators like Pitt County Schools Superintendent Beverly Reep, who said the one-time federal money to protect public school positions could soften potential cuts.

"I'm looking to see what the outcomes will be," Perdue said. "I've been direct since day one. If there are teacher and teacher assistants cut in the budget in state-funded positions and damage is done to education, then I'll veto the budget. It's the right message for North Carolina. We are the state of education, and under my watch, we're not going to go backwards."

Perdue has until June 14 to decide whether to veto the bill, sign it into law or let it become law without her signature. If she does veto, it could become law anyway if four of the five House Democrats who voted for the plan last Friday and Saturday keep supporting it. Perdue said a potential override won't keep her from speaking out against it.

The situation allows a "leader to stand up and say what's right for the state, and that's what I was elected to do," Perdue said at Lakeforest Elementary School, which will open this fall.

Republican leaders have pointed out their budget spends almost $7.5 billion on the public schools next year, or nearly as much as Perdue's proposal in February, and protected state funding for teacher assistant positions and
would hire another 1,100 teachers in early grades. Perdue and some educators are worried about a requirement that local school districts return $124 million in state dollars they receive, with the reductions made at their discretion. That's on top of a combined $305 million in cuts over the past two years.

Senate leader Phil Berger, R-Rockingham, said Monday night he was hopeful Perdue would see what he calls the good things in the budget and sign the bill.

"She's the one who has to make that decision," Berger said. "Let's not forget that a lot of what we tried to do is compromise and move toward what we understood were some of the issues of concern not just to the governor" but to education leaders and the five Democrats, he added.

The effect of the cuts would depend on the school district.

In Pitt County, Reep said the school system would have to return nearly $7 million to the state. More than 90 percent of the money the schools receives from the state goes to classrooms, Reep said, so it will be hard to make the cuts without eliminating positions.

Reep said she and the school board must decide soon how to spend $4.6 million of federal funds that must be used by September 2012 and used to protect jobs. The money could be used to help fill about 60 positions considered open for this fall, but it only may delay layoffs for one year if the state can't increase funding.

"I can use that one-time money and hope for the best a year from now, but what if I don't have the vacancies next year?" she asked. "I can be looking at real people that I'm having to lay off next year."

The measure also allows temporary sales and income taxes to expire on time, meaning the loss of $1.3 billion that would have otherwise gone to the state next year. Perdue and other Democrats have said keeping a portion of the sales tax on the books would prevent deep cuts.

The budget on Perdue's desk also directs the University of North Carolina system to find $414 million in cuts, also determined by the campuses and system administration. Perdue said it could mean the loss of funding for 3,000 faculty and staff positions and could take students longer to finish their degrees because fewer classes will be offered regularly.
East Carolina University already has lost $100 million over the past three years, and has cut administration sharply during that time, said Philip Rogers, chief of staff to ECU Chancellor Steve Ballard.

"It's going to be a challenge," he told Perdue.

Perdue prepared to keep the focus on the budget and education Tuesday by attending a news conference on state graduation rates and speak late with state business and education leaders in Raleigh.
Gov. Beverly Perdue heard firsthand the effects state budget cuts would have on public education in Pitt County during a visit to Greenville on Monday.

School district administrators and teachers shared their concerns about reduced staff and increased class sizes at the recently completed Lakeforest Elementary School off Allen Road.

Perdue has until June 14 to take action on a $19.7 billion, two-year spending plan passed by the state House and Senate. The plan reduces funding to all levels of education.

“If there are state-funded teacher and teacher assistant positions that are not funded in this budget, then I would veto the budget, and that's where we're looking,” Perdue said.

The Senate proclaimed the addition of 1,100 teachers to primary grades and retention of all teacher assistants but reduced funding to all 115 school districts by $124 million. That translates to $6.8 million in discretionary cuts for Pitt County, which school district officials say will affect the amount of state funding available for teachers.

“You cannot pass almost $7 million in state reductions when 93 percent of our state budget is in the classroom and not have it impact the classroom,” Superintendent Beverly Reep said.

Reep said based on population growth, the district needs about 30 new teachers but would be lucky to break even in this budget. The district is looking at vacancies, annual
turnover and possibly one-time federal education jobs bill money to counter the reductions. If not, the district may have to enact a reduction-in-force plan approved in April.

“As a parent and also as an educator, I'm very concerned as to what these cuts will do to class size,” said South Central High School math teacher Mary Robinson, president of the Pitt County Association of Educators.

South Greenville kindergarten teacher Melissa Davis worries about the toll on teachers. “What I worry about most is the fact that I have 23 kids in my classroom. I'm by myself right now, I have no assistant,” Davis said. “How can I give those kids the best education that they can get when I myself am worn down? What happens next year when it's 30? I'm going to do my best always, but when is it going to be enough is enough?”

Cathy Keeter, district special education and pre-k director, said her department likely will bear the brunt of county-level discretionary cuts because most of her staff are locally funded.

“If we have to make those discretionary cuts that we're talking about, I have to face the reality that there will be positions lost,” Keeter said.

Rep. Edith Warren, a Democrat who represents Pitt and Martin counties, expressed her disappointment in the budget. Republican legislators were not present. “I don't have a lot of hope that this budget will change,” Perdue said.

Even if a veto is overridden, Perdue said a veto would send the right message. “A veto allows a leader to say what's right,” she said. “I will not be the first governor to take education backwards.”

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UNC told to ease up on high schools

BY MICHAEL BIESECKE - Staff writer

A bill approved Monday by the N.C. House seeks to prohibit UNC system universities and the state's community colleges from considering whether a student comes from an accredited high school when making decisions about admissions, scholarships and loans.

The bill was sponsored by Republican lawmakers in Wake and Burke counties to help their beleaguered school districts deal with the possible loss of high school accreditation. It also would require the state Board of Education to begin accrediting North Carolina public high schools at the request - and expense - of the school districts.

Democrats pointed out that funding for the state BOE would be slashed in the budget the GOP-controlled legislature approved last week, and asked whether the agency could properly administer any new duties.

But House Bill 342 passed the House 66-46 with the support of Republican lawmakers that included sponsoring Wake County Reps. Paul "Skip" Stam of Apex, Nelson Dollar of Cary and Marilyn Avila of Raleigh.

Wake, Burke schools

The legislation is aimed at blunting the authority of AdvancED, an Alpharetta, Ga.-based organization that accredits most North Carolina high schools.

The bill was introduced in March, two days before AdvancED issued a critical report requiring Wake County Public Schools to correct dozens of issues or risk losing high school accreditation. The school board, dominated by its Republican majority, was accused of regularly violating its own policies while making key strategic decisions about the assignment of low-income and minority students over the past year.

AdvancED has also warned Burke County's high schools that they'll lose accreditation at the end of June unless the school board makes changes. Loss of accreditation could make it harder for students to get into some universities or receive some scholarships and financial aid.

The bill now heads to the Senate for consideration.

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Tough goodbye for ECU seniors
By Nathan Summers
The Daily Reflector
Tuesday, June 7, 2011

CHARLOTTESVILLE, Va. — Billy Godwin exuded an emotion at the postgame podium on Sunday night which can only be appreciated by others who have sat in the same chair.

Weighing much heavier than the details of the game just played was the notion that the guy sitting next to him, with whom he's shared a few other postgame stages, was leaving him.

Center fielder Trent Whitehead was one of a close-knit band of seven East Carolina baseball seniors who had just taken their final at-bats and thrown their final pitches for the Pirates. Like most final games for most seniors across the country, those final actions came in a loss, this one a 13-1 shelling at the hands of top-seeded Virginia in the Charlottesville Regional.

Godwin, who finished his sixth season as head coach at ECU — eclipsing the 40-win plateau for the fourth time and capping his fourth regional appearance — got plenty of mileage out of his team's elders, who were part of 144 victories and had another 17 wins from last season vacated due to the use of ineligible players. Like most coaches, Godwin wished it could have been at least 145.

“I've been here before,” said the ECU coach, whose club won the first and only regional it's hosted in Greenville in 2009. “The way I look at this, we were four wins away from
Omaha (and the College World Series). We've been as close as two, and our program is going to keep grinding.”

The Pirates' postseason presence has become a regular thing, as has their presence in the Top 25 polls, yet a CWS berth has eluded them again.

Even with the loss of such vital cogs, however, Godwin knows his true measure is in his ability to continue building and rebuilding winning teams without significant lapses.

“What we have at East Carolina is a program,” Godwin said. “And when you have a program, you kind of recruit your needs. We've got a nucleus of guys that have been huge contributors for us this year. We had three freshmen in the lineup pretty much every day (OF Ben Fultz, DH/1B Chase McDonald and SS Jack Reinheimer).”

The manager admitted he was holding his breath until the end of Major League Baseball's amateur draft this week, hoping he doesn't lose anyone else.

In addition to Whitehead (285 career hits, 122 RBIs), the Pirates said farewell to starting pitchers Seth Maness (ECU record 334 career strikeouts, 38 victories) and Zach Woods (10 wins in two seasons), starter/reliever Brad Mincey (22 career wins, 191 Ks), closer Seth Simmons (ECU record 26 saves), utility man and team captain Austin Homan and reliever Mike Anderson.

While it's always bittersweet to say farewell in the wake of a loss, Whitehead said he knows the legacy he helped to uphold will be carried on by the team he leaves behind.

“It's a group of brothers, and this team was as close as any team since I've been here,” Whitehead said. “They've got to continue to work and get better, and we'll accomplish our goals.”

Now the team is in the hands of a new generation, led by the likes of sophomore first baseman John Wooten, junior catcher Zach Wright and junior third baseman Corey Thompson, all of whom have already carried on an ECU baseball tradition of garnering big game experience at young ages.

With that experience comes maturity and a sense of reality, and that showed in Wooten's postgame feelings about the chances for making a return trip to regionals and maybe taking it beyond that next season.

“It's a definite opportunity and I look forward to it and hope it's going to happen, but that's something we're going to have to work for,” Wooten said. “We had a ton of seniors that led this team, and (Whitehead) is a guy that I really look up to, and a lot of the older guys I've looked up to.”
All-tourney team

The Pirates (41-21) beat Navy and St. John's at the regional, and had three players named to the all-regional team, two of them freshmen.

Leading the trio was McDonald, who finished his rookie season batting in the cleanup spot in Charlottesville and delivering a team-high seven hits and five RBIs, including a grand slam against the Midshipmen.

Joining McDonald on the all-tournament team were Wooten (eight hits, 3-for-4 against UVa.) and Fultz (five hits, 2B).

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Charlotte Presbyterian Hospital clinical nurse specialist Joanne Thompson and obstetrician Dr. James Hardy demonstrate the use of an app to help monitor the contractions of a pregnant patient and fetal heartbeat, even from remote locations.

**Apps for doctors getting popular**

BY KAREN GARLOCH - Staff writer

As Dr. John Allbert watched his teenage daughter's spring talent show, his cellphone began vibrating.

He stepped outside to take the call from a fellow obstetrician wanting advice about a pregnant patient whose fetus might be in distress.

To get a better picture of the situation, Allbert walked to his car to grab his iPad. There on the 8-by-10-inch screen, Allbert read the patient's vital signs and saw the squiggly lines that represented the baby's heartbeat and the mother's contractions.

Thanks to a new mobile phone application, Allbert could use his iPad, or his smaller iPhone, to check the same monitoring systems and records the other doctor was seeing by the patient's bedside.

Without having to miss the talent show or rely on the other doctor's explanation, Allbert assessed the patient's vital signs and realized there might not be enough amniotic fluid around the baby. An ultrasound
confirmed Allbert's suspicion, and the other doctor delivered the baby immediately, seven weeks prematurely, to avoid complications.

"In five to 10 minutes, I was able to pull it up and figure out what to do," Allbert said. "Any time you can put your eyes on something, instead of having it described to you, it just enhances the communication."

Allbert is one of about 125 physicians at nine Novant Health hospitals, including Charlotte's Presbyterian Hospital, Presbyterian Hospital Matthews and Presbyterian Hospital Huntersville, using AirStrip OB software to monitor patients from remote locations.

They're the first in North Carolina to use this iPhone application. About 250 U.S. hospitals, including five in South Carolina, use AirStrip OB technology, which got clearance from the Food and Drug Administration in 2006.

North Carolina doctors in other specialties are also using mobile phone technology to monitor patients. And many predict they're at the beginning of a revolution.

"Health care is really at a transition point," said Dr. Jeff Carr, director of biomedical informatics at Wake Forest Baptist Medical Center in Winston-Salem.

"The interface between patients and their doctors is going to dramatically change, thanks to the mobile technology that we're already using in our personal lives."

**More apps than needed**

About 75 percent of U.S. physicians own an Apple mobile device, such as an iPad, iPhone or iPod, according to a Manhattan Research study released this month.

Not all of them use the devices for medical monitoring, but that time could come.

AirStrip OB has "really started to pick up steam" in the last few months, said Dr. Iltifat Husain, founder of iMedicalapps.com, a website that reviews mobile technology for medical professionals.

More than 6,000 medical apps are available for the iPhone, but Husain said most are not useful for practitioners. His site has reviewed more than 300 apps that he thinks are useful for doctors. He is enthusiastic about AirStrip OB and the newer apps that enable physicians to view radiology images.
It's creating what I call the untethered physician," said Husain, an incoming Baptist Medical emergency medicine resident. "It's fantastic."

While Novant adopted AirStrip OB last year, Carolinas Medical Center, part of Carolinas HealthCare System, is still reviewing it. Meanwhile, cardiologists at CHS's Sanger Heart & Vascular Institute are able to view radiology images on their iPads.

And since January, CMC emergency physicians and cardiologists have been using smartphones and email to see results of electrocardiograms on patients who are being transported by ambulance.

Doctors can review the results, sent by paramedics, "before the patient arrives at the hospital, sometimes up to 20 or 30 minutes in advance," said CMC's Dr. Lee Garvey. It gives medical teams in the emergency room and cardiac catheterization lab time to prepare, and it can also help paramedics with triage.

In the Triangle, N.C. Women's Hospital at UNC Health Care and Rex Healthcare don't use AirStrip OB because they have residents and supervising obstetricians in the hospital at all times, said Dr. Robert Strauss, director of labor and delivery for UNC Hospitals. The same is true at Wake Med in Raleigh, said spokeswoman Moira Dutton.

Wake Forest University doctors don't use AirStrip OB, but they're among the leaders in using mobile technology to track patients: Patient records are available electronically on iPhones or iPads. "You can look at X-rays. You can look at vital signs," Carr said.

Wake Forest doctors are also testing a system that allows them to access records and monitors from mobile phones, and sends alerts if monitors detect a potential problem, such as infection.

"It actively signals the health care team that there's been a change," Carr said. "Rather than the nurse identifying the problem and paging the doctor and waiting for the doctor to call back ... this allows everybody to have the information in near real time. We can move into action much quicker."

Carr said the system is being tested to make sure it's useful. "There's a challenge that the rate of change of technology outstrips the science base," he said. "Not everything that looks cool helps people."

Nurses approve

At Charlotte's three Presbyterian hospitals, obstetricians, midwives and nurses think AirStrip OB improves communication and enhances patient care and safety.
"Remote monitoring allows us to further protect our tiniest, and one of our most vulnerable, patient populations and their moms," Allbert said.

He concedes that some physicians can be condescending to nurses, creating an atmosphere in which nurses may be reluctant to bring up a problem or offer an alternative. Also, if nurses call physicians in the middle of the night or when they're seeing office patients, doctors may be curt if they feel the call is unnecessary.

"This technology will hopefully make these interactions more pleasant and give the physician more confidence in giving a plan," Allbert said.

Joanne Thompson, nurse clinical specialist for Presbyterian Women's Center, said it's reassuring for nurses to know that when they call with a question or a development, the doctor sees the same data they're seeing, in real time.

"With this, we're both talking about the same piece of information. It's just a great added safety tool. ... It's made us a better team."
Eight students get boost to study textiles at NCSU

Eight area high-school students were chosen for scholarships that will help them pursue a degree in textiles at N.C. State.

Five were awarded the N.C. Textile Foundation's Centennial Scholarship, the largest college-based scholarship at N.C. State, worth nearly $48,000. The scholarship includes educational and cultural activities such as study abroad and conferences. The five Triangle students awarded Centennial Scholarships are:

Rachel Elizabeth Chapla, Green Hope High School. Rachel, from Cary, was co-president of Green Hope's Red Cross Club and an active member of the Young Democrats Association and the Harry Potter Club. She participated in varsity lacrosse and cross country for three years. During the summer, she worked with elementary and middle school students at N.C. State's Engineering Summer Camp. Rachel plans to major in textile engineering.

Kelsy Pauline Fuller, Athens Drive High School. Kelsy, from Raleigh, was a member of National Honor Society and Key Club and a leader of Unite Bible Study and the Fellowship of Christian Athletes. Kelsy is also a seven-year participant in Camp Invention, an exploratory camp focused on innovative ideas for the future. Kelsy intends to study polymer and color chemistry.

Omar Imad Knio, Athens Drive High School. Omar, from Raleigh, was a member of the National Honor Society, Environmental Awareness Club, Key Club, Chess Club, Arabic Club, Youth and Government and the Model United Nations. He was also a four-year participant in the Science Olympiad and was on the Athens Drive soccer, track, and tae kwon do teams. He volunteered four hours every Sunday at the Miriam Clinic, translating for Arabic patients and organizing medical record files. Omar plans to pursue a career in materials science or polymer science.

Lauren Ashley Koepnick, Athens Drive High School. Lauren, from Raleigh, was an officer of the Environmental Awareness Club and secretary of the Psychology Club. She participated in the March of Dimes and MorLove, where she knit a purse out of recycled cloth to raise money for
children in Uganda. Lauren was also deemed the lieutenant of personnel for the school marching band, where she was accountable for a 90-member horn line. Lauren intends to major in textile engineering.

**Jaclyn Elizabeth Smith**, Millbrook High School. Jaclyn, from Raleigh, was inducted into the National Honor Society and designated student body treasurer of the Millbrook Executive Board. Since the seventh grade, Jaclyn has been a member of the N.C. Youth Tap Ensemble, a nonprofit tap company that performs across the nation. She volunteered at the N.C. Museum of Natural Sciences and participated in Summer Ventures in Science and Mathematics, a four-week enrichment program for academically gifted students. Jaclyn intends to study polymer and color chemistry.

**Lara Marye Funke** of Raleigh has been awarded the Erlanger Merit Scholarship, valued at $20,000. At Enloe High School, Lara was in the Italian Club, Drama Club, College Club and drama productions and was on the varsity swim team. She is a Girl Scout and took dance classes at the North Carolina Dance Institute. Lara, who has attended N.C. State's Design Day Camp, plans to major in textile technology.

**Molly Elizabeth Renaud** of Raleigh has been awarded a N.C. Textile Foundation John & Jane Fennie Prestige Scholarship, valued at $10,000. At Wakefield High School, she was a member of the National Honor Society and a key leader of BackTalk, a scoliosis support group for teens across the country. Through her church, she participated in the Student Action Leadership Team, which took her to Kentucky to work with Teens Opposing Poverty and Appalachia Service. Last year, she completed an internship at JSH Design making curtains, draperies, and other home furnishings. Molly plans to major in textile engineering.

**Amanda Meredith Marshall** of Raleigh has been awarded the Dickson Prestige Scholarship, valued at $10,000. At Athens Drive High School, she was vice president of the National Technical Honor Society and a member of the Fellowship of Christian Athletes and the math and mother-daughter book clubs. She also played varsity tennis. Amanda volunteered time at With Love From Jesus, a warehouse for the needy in Raleigh, and Wake Interfaith Hospitality Network, a nonprofit that supports and equips homeless families. Amanda, an alumna of N.C. State's Summer Textile Exploration Program, plans to major in fashion and textile management.
June 6, 2011

Elena Aprile

Joy Hirsch

Women Atop Their Fields Dissect the Scientific Life

By GINA KOLATA

Elena Aprile, Joy Hirsch, Mary-Claire King and Tal Rabin are members of a rare breed — women scientists at the top of their fields.

Dr. Aprile, a professor of physics at Columbia University, is searching for dark matter. Dr. Hirsch, a professor of neuroscience at Columbia University, maps brain processes. Dr. King, a professor of medical genetics at the University of Washington, studies the genetic basis of common complex medical conditions like breast cancer and mental illness. And Dr. Rabin is a cryptography researcher at I.B.M. All four were in New York for the World Science Festival, and were invited to a 30-minute round-table discussion at The New York Times on Wednesday. They talked about their lives as scientists, the joys and struggles of research, and the specific challenges women in science face.

What follows is a condensed and edited transcript of one part of the discussion.

GINA KOLATA: I once wrote about the life of a senior scientist who traveled from meeting to meeting promoting himself and his work. A woman scientist I interviewed said it was really hard for her to travel that much, and she felt that her career had suffered because of that. I was wondering if this is still a problem. And if it is, how do you handle it?

MARY-CLAIRE KING: We are very well established. It may be more of a problem with younger women who can’t travel because their children are small or travel far less compared to their younger male counterparts —
although it is also true that young men are much more involved nowadays taking care of the small children, and it may be more of an equalizer.

**ELENA APRILE:** You have to do what the guys do, and it does not matter what it takes. It is important to be out there, and so it comes with the territory. You have to find a way around to solve the practical problems. You have to.

**TAL RABIN:** Even when we do make it to the conferences, I think that there is still something different about the way that we promote ourselves. I remember standing next to one of my co-authors, and he was talking to some other guy, and he was telling him, “I have this amazing result. I just did this, I just did that.” And I was sitting and thinking there, what result is he talking about? Until he got to the punch line. It was a joint result. It was a result of mine also. I would have never spoken about my result in the superlatives that the guy was speaking about it.

**MS. KOLATA:** What would you have done?

**DR. RABIN:** I would have said, you know, “I have this very interesting result, and we achieved very nice things.” But not “This is the best thing since we invented the wheel, and here it is.”

**DR. APRILE:** I think I wouldn’t do it as nicely as you.

**DR. KING:** But women can help each other out a lot in this way because we know this about our younger women colleagues. We can introduce them to our colleagues. We can say: “Diane has a fabulous result. She needs to tell you what it is, and don’t move until she has told you.”

**JOY HIRSCH:** There is one very important component here that is worth raising, and I think that is the need for institutional procedure and commitment to bring women on board. When I was at Yale, I was the chairman of the Status of Women Committee for a long period of time. During that time Yale as an institution had a major commitment to raise the visibility and the numbers of women, and we did exactly as you described without a compromise at all in quality. It is not that we just teach our women to be self-promoting and to be excellent. We must also, I think, take the responsibility of teaching our institutions to be receptive and proactive and even aggressive in this manner.

**DR. APRILE:** And it is not just the top. It should also be the colleagues and the ones closest to you. You have to have women involved in search committees.
MS. KOLATA: So what you are describing, as I understand it, is getting a lot of people into the beginning positions. But then how do you keep them?

DR. KING: I think the choke point is going from a postdoc to an assistant professorship to a tenure-track position. In my experience the largest remaining obstacle is how to integrate family life with the life of a scientist.

MS. KOLATA: And you have advice for women?

DR. KING: At institutions where there is child care on site, where it is subsidized, where there are enough places for assistant professors to have their children, women do well. And at institutions where it is assumed that you will make your own arrangements, women do less well. There is good data on this. We need institutional commitment.

DR. APRILE: It is by example that young women see that you can be both a successful scientist, the best, but also the best mother and the lover, and the wife. You can do everything, so I think you need to have more examples of those.

DR. HIRSCH: I think it is important to develop a style in the laboratory where these issues are open and can be talked about. And what happens is that men become involved too.

MS. KOLATA: It must be exciting for your children to grow up with a mother who has such passion for what she does.

DR. APRILE: It depends on the child. The second of my daughters used to say, “Mommy, why can’t we have dinner at 6 p.m. like everybody else?” They finally accepted these crazy hours that I had to live with.

DR. RABIN: I am a child of a working mother. My mother was a very high-ranking lawyer in the Israeli Department of Justice, and I think she is the best mother in the world. And what I can say about her is that although she worked long hours, she was always available to me when I needed her. So somehow I think it is easier for me, because I can go and work without the guilt, because I know you can be a great mother. Whether I am or not is a different question.

DR. HIRSCH: The great discovery for me was the middle of the night. It’s all done, and everybody has gone to bed. You can go to your computer and sit down and work. The middle of the night has been what saved my life as a scientist.

DR. RABIN: What I do feel as a mother is that sometimes I hear these young women graduate students talking. They are saying, “Yes, the baby is
going to be born, I am going to be back doing research within a week,” and so on. And I think that one important thing to remember is that these children are going to grow. And if you miss out on their babyhood and then childhood and so on, these times are gone. You should think how to balance these things and get the research done but not forsake these things that are never coming back. The research is going to be there two years down the road, three years down the road, but there are things that are very precious that should not be missed out on.

**MS. KOLATA:** Would you encourage your daughter to be a scientist?

**DR. KING:** My daughter is now 36. Both her parents are scientists — her father is an ecologist and I am a geneticist — and she said that she was not going to be a scientist, that the life was just too tough or too grueling. She went to Brown, and she did linguistics. Loved it. Now she works for the Berkeley Humane Society and organizes huge projects for them — writes grants, organizes large groups of people doing work. So in many ways, there is not that much difference between her daily life and my daily life.

**DR. HIRSCH:** I think the judgment about whether someone should be a scientist or not is a very serious one, because the life of a scientist, whether you are a woman or you are a man, is very difficult. It is a nonstandard life. It is a life with constraints and obligations that don’t come with other types of professions. If my daughter has to ask “Should I be a scientist?” the answer is no. But if my daughter says to me, “I was born to be a scientist. I can’t be anything else. This is my life,” then you say, “You go, girl.”

**DR. APRILE:** I couldn’t have said it better.

**DR. RABIN:** The truth is that I feel differently. I think that the life of a scientist is a fantastic life. I think it is exciting because every day there is something new that you can go and think of. There are challenges, no doubt, and the times when you can’t solve things. So I think it is all a wonderful life. And not to mention even things like time flexibility, traveling around the world, meeting a lot of exciting people. I think that these are fantastic jobs.

I did not grow up with this feeling that, yes, I am going to be a scientist. In fact, in Israel you have to register, you have to apply to a specific school that is not liberal arts. I was good at math. I said, O.K., computer science. And things evolved with time until I knew that this was the path that I wanted to take, and it was also a little bit dependent on the successes that I had that kept me going. So sometimes I think at the onset it is not 100 percent sure, but it evolves.
**DR. APRILE:** I kind of disagree, honestly, at least in my field, in my life. You have to be very tough, and this is a very hard life and you are always exposed. You have to be extremely strong. You have to face the competition. If one of my daughters were really dying for being a scientist, there would be no question I would support them. But if I have to encourage them, to push them in that direction, there is no way.

**DR. HIRSCH:** I think it is important to look at this from the point of view of the field of science. It is very important that diversity be represented in the field of science. And so from the point of view of the science — not our daughters — then I think it is necessary to have women and a woman’s point of view. Her ability to collaborate, her ability to think differently, is important for the trajectory of the field. But I really agree with you, Elena. You have to be tough. You have to be made of steel.

**DR. APRILE:** Titanium is better.

**DR. HIRSCH:** Yes, thank you. I hope it is not everybody’s experience, but it has been mine, and I say that from the point of view of a very successful woman. I have been made of steel, and thank heavens, because I wouldn’t be here if I wasn’t.

**DR. RABIN:** But this is something that I feel has developed in me. I do not think that I was this warrior that I am today when I started out in the field. I am like that today, but I wasn’t like that when I was 20.

**DR. APRILE:** Even if they are not scientists, these daughters of ours, they have had the best example in their life, and they will carry that example and that passion that they see in us, in me and you, with them. And so you never know what will develop along the way. And if they don’t practice science directly, they are going to change the world in other ways. Just because they have had the examples they have.

**DR. KING:** They will change the world. They don’t have to do it our way.
Supreme Court allows California to grant in-state tuition to illegal immigrants
The high court rejects an appeal to California's policy of giving in-state college tuition to state high school graduates who are in the country illegally. The action leaves in place laws in 11 other states that permit illegal immigrants to obtain in-state tuition.

By David G. Savage, Washington Bureau
9:12 AM PDT, June 6, 2011

WASHINGTON -- The Supreme Court on Monday rejected a challenge to California's policy of granting reduced, in-state tuition at its colleges and universities to graduates of its high schools who are illegal immigrants.

The justices turned down an appeal from lawyers for a conservative immigration-law group that contended "preferential treatment" for illegal immigrants violated federal immigration law. They cited a little-known provision in a 1986 law that barred states from giving "any postsecondary benefit" to an "alien who is not lawfully present in the United States … on the basis of residence within a state."

But last year, in the first ruling of its kind, the California Supreme Court said the state's policy did not conflict with federal law because the tuition benefit turned on a student's high school graduation, not his or her residency. In the 2001 law, the state said it would give in-state tuition to a qualified student who attended a high school in California for three years and graduated.

Under this interpretation, a student from Oregon who graduates from a high school in California could obtain in-state tuition in the University of California system. In defense of its law, California education officials said that many of those who took advantage of its in-state tuition policy were U.S. citizens who hailed from other states.

Overall, the state said about 41,000 students last year took advantage of this special tuition rule, but the vast majority of those were students at a community college. In 2009, the 10-campus UC system said 2,019 students paid in-state tuition under the terms of the state law. Of these, about 600 were believed to be illegal immigrants.

The court's action turning down the appeal is not an official ruling, but it leaves in place laws in 11 other states that permit illegal immigrants to obtain in-state tuition. They are Illinois, Kansas, Maryland, Nebraska, New Mexico, New York, Oklahoma, Texas, Utah, Washington and Wisconsin.

Another 12 states have explicitly refused to grant in-state tuition to illegal immigrants. For its part, the federal government -- through the Clinton, Bush and Obama administrations -- has taken no steps to enforce the federal provision.
Citing this confusion over the meaning of federal law, the Washington-based Immigration Reform Law Institute had appealed the California case to the Supreme Court. Kris W. Kobach, a Kansas lawyer and counsel for the group, said the federal law "will become a dead letter in any state where the legislature is willing to play semantic games to defeat the objectives of Congress."

But the justices refused to hear his appeal in the case of Martinez vs. Board of Regents of the University of California.

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