

*NASA

(Continued from page 3.)

- “Wireless Vibration Monitors for Advanced Propulsion Systems Ground Testing,” developed by Lorand Technologies, Inc. in Orlando, Florida.
- “Hermetically Sealed Rotary Bellows for Reducing Stem Seal Leak Rates,” developed by Parabilis Space Technologies, Inc. in San Marcos, California.
- “Fiber Optic Multimodal Sensing System,” developed by RC Integrated Systems, LLC in Torrance, California.
- “Injector for LOX-GH Stable Combustion at Low Pressure and High Velocity,” developed by Rocket Propulsion Systems, LLC in Renton, Washington.
- “Ensuring Correct Sensor Operation and Decisions Under Harsh Environments,” developed by Alphacore, Inc. in Tempe, Arizona.
- “Enhanced Real Time Distributed Strain and Temperature Monitoring for Rocket Ground Testing,” developed by Intelligent Fiber Optics Systems Corp. in Santa Clara, California.

Proposals were selected according to their technical merit and feasibility, as well as the experience, qualifications and facilities of the submitting organization. Additional criteria included effectiveness of the work plan and commercial potential.

NASA’s SBIR and STTR programs encourage small businesses and research institutions to develop innovative ideas that meet the specific research and development needs of the federal government. The programs are intended to stimulate technological innovation in the private sector, increase the commercial application of research results, and encourage participation of socially and economically disadvantaged persons and women-owned small businesses.

The NASA SBIR and

STTR programs are conducted in three phases:

- Phase I is the opportunity to establish the scientific, technical, and commercial merit and feasibility of the proposed innovation. SBIRPhase I contracts last for six months and STTR Phase I contracts last for 13 months, both with maximum funding of \$125,000. The 363 selected proposals announced in this release are all in Phase I.
- Phase II is focused on the development, demonstration and delivery of the innovation. Phase II contracts last for 24 months with maximum funding of \$750,000. Only small businesses awarded a Phase I contract are eligible to submit a proposal for a Phase II funding agreement. The latest SBIR program Phase II selections were announced in mid-May.
- Phase III is the commercialization of innovative technologies, products, and services resulting from either a Phase I or Phase II contract. Phase III contracts are funded from sources other than the SBIR and STTR programs.

The SBIR and STTR programs are managed for STMD by NASA’s Ames Research Center in California’s Silicon Valley. STMD is responsible for developing the cross-cutting, pioneering, new technologies and capabilities needed by the agency to achieve its current and future missions.

Charged with returning astronauts to the Moon within five years, NASA’s Artemis lunar exploration plans are based on a two-phase approach: the first is focused on speed – landing astronauts on the Moon by 2024 – while the second will establish a sustained human presence on and around the Moon by 2028. We will use what we learn on the Moon to prepare to send astronauts to Mars. The technology missions on this launch will advance a variety of future exploration missions.



It’s Going to Be Okay

Bill Tucker was sixteen years old when his dad suffered a health crisis and consequently had to leave his business. Even after Mr. Tucker regained his health, the Tucker family struggled financially, barely getting by.

Mr. Tucker, an entrepreneurial sort, came up with an idea. He won the bid to reupholster the chairs at the local movie theater. This stunned his family. He had never even own a sewing apparatus. Still, he found someone to teach him the skill and located an industrial-strength machine. The family scraped together every cent they had to buy it. They drained savings accounts and dug coins out of the sofa. Finally, they had enough.

It was a fine day when Bill

jumped out and ran around the back of the truck. As I rounded the corner, I saw our hope and our dream lying on its side in pieces. And then I saw my dad just looking. All of his risk and all of his endeavor and all of his struggling and all of his dream, all of his hope to take care of his family was lying there, shattered.

“You know what comes next don’t you? ‘Stupid, punk kid driving too fast, not paying attention, ruined the family by taking away our livelihood.’ But that’s not what he said. He looked right at me. ‘Oh, Bill, I am so sorry.’ And he walked over, put his arms around me, and said, ‘Son, this is going to be okay.’”

God is whispering the same to you. Those are his arms you feel. Trust him. That is his voice you hear. Believe him. Allow the only decision maker in the universe to comfort you. Life at times appears to fall to pieces, seem irreparable. But it’s going to be okay. How can

you know? Because God so loved the world. If God can make a billion galaxies, can’t he make good out of our bad and sense out of our faltering lives? Of course he can. He is God.

From 3:16, *The Numbers of Hope*

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N.A.

open group meetings every Friday, 6:30-7:30 p.m. at **New Roads Counseling** 114½ Spring Street, Lexington 662-230-2682

28th June

ACROSS

- 1 Minions of “Willard”
- 5 House, in Espana
- 9 Seasoning measures: abbr.
- 13 Grub
- 17 “All things by ___ divine” (Shelley)
- 18 Baldwin of “30 Rock”
- 19 “Ta-___-Boom-Deay” (Gay Nineties hit)
- 20 Vesuvian output
- 21 Sushi bar tippie
- 22 Square pillar
- 23 Murphy of “Bewitched”
- 24 Isfahan is here
- 25 Former Bond portrayer
- 28 Tell’s target
- 29 Part of Caesar’s boast
- 30 Held a session
- 31 Vacation happening
- 33 Leigh of “Psycho”
- 36 Uptown neckerchief
- 38 Madison Square Garden et al.
- 42 “Godfather” actor Vigoda
- 43 Dismayed cry
- 46 Talent
- 48 Mustachioed surrealist
- 49 Sleeveless sweater
- 51 Unpretentious
- 53 Genesis subject
- 55 Bewitch
- 57 “___ and Sing!” (Odets drama)
- 60 Beauty mark
- 61 Netman Lendl
- 62 Straightaway
- 63 A bit too proud
- 65 Life, e.g.
- 67 Beaverish or feverish
- 69 Unlike “Entertainment Tonight” reports
- 73 Superman’s ___ of Solitude
- 75 Interjection for icky food
- 77 Arty area of NYC
- 78 Move very slowly
- 79 Parenthetical

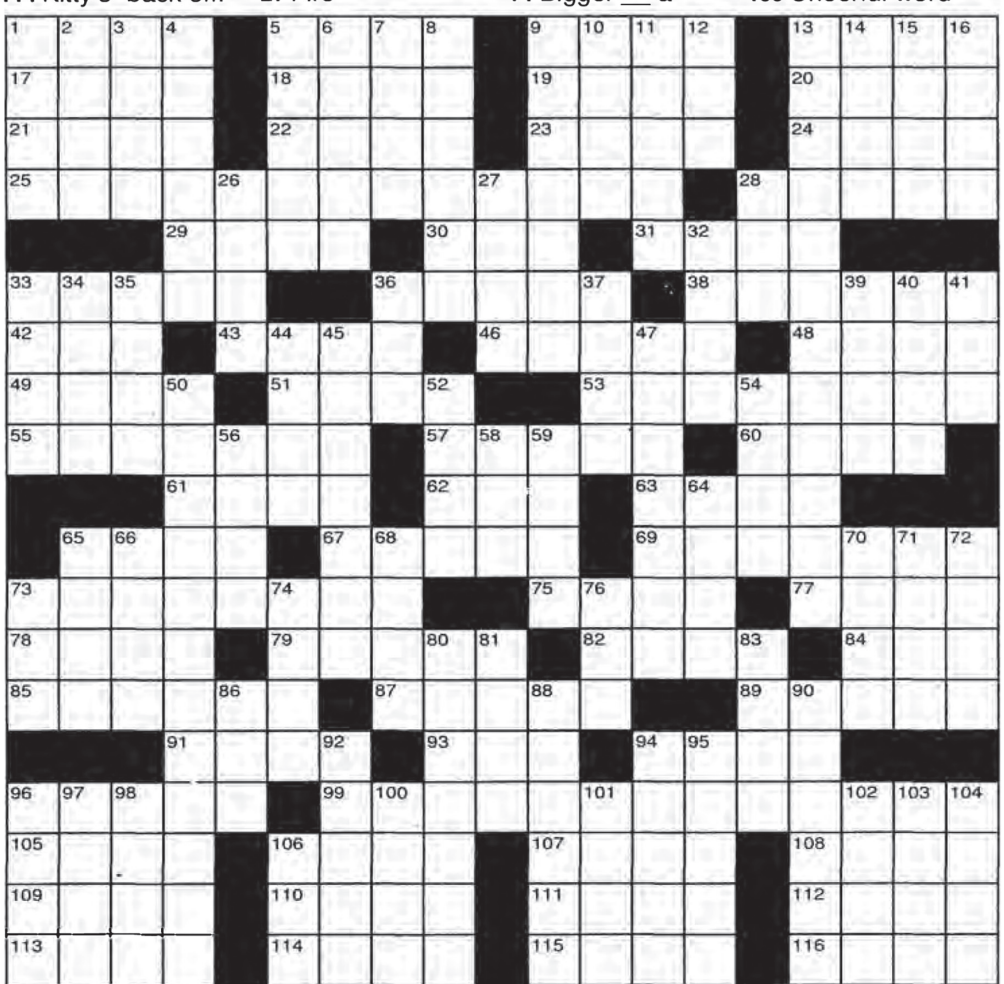
DOWN

- 1 Coarse file
- 2 Jai ___
- 3 Filmed run-through
- 4 Change direction suddenly
- 5 Like a matador
- 6 Crook’s excuse
- 7 Crystal gazer
- 8 Crossword heading
- 9 Revolutionary battle site
- 10 Mystery author Paretsky
- 11 Follow in Gutenberg’s footsteps
- 12 ___ Salvador
- 13 Angry speaker’s sounds
- 14 Dulcimer’s kin
- 15 Like an egg
- 16 Wax’s chum
- 26 “___ of Angels” (Nicolas Cage film)
- 27 Fire

- 115 Doe, e.g.
- 116 Activist Luxemburg

- 28 Publicize
- 32 Lawn tool
- 33 Coffee, slangily
- 34 Lend a hood a hand
- 35 Place to brood
- 36 ___ française
- 37 Pushpin’s cousin
- 39 Dactyl protector
- 40 Soothing salve ingredient
- 41 Transgress
- 44 1977 Richard Harris film
- 45 Problem in an antiperspirant ad
- 47 Chink
- 50 Economize
- 52 “M” director Fritz
- 54 Centrally located
- 56 Profess
- 58 Tribulation
- 59 Amiss
- 64 “Lonely Boy” singer
- 65 Start of Scarlett’s story
- 66 Curved lines
- 68 “Clueless” phrase
- 70 Rod
- 71 Bigger ___ a

- breadbox
- 72 Beer ingredient
- 73 Pine tree
- 74 Sign on some diners
- 76 FedEx competitor
- 80 Oater coats
- 81 Send out
- 83 Univ. military org.
- 86 Tot’s afternoon inactivity
- 88 Worn down naturally
- 90 Soft yarn
- 92 Future history?
- 94 “___ of Our Own” (1993 film)
- 95 Segovia, in Segovia
- 96 Harvest
- 97 Hound’s prey
- 98 Former Indiana Senator Bayh
- 100 Sci-fi transports
- 101 Baked clay
- 102 Singing voice
- 103 Hauls into court
- 104 Title role for Gwyneth
- 106 Cheerful word



LINDA ROLLINS, TAX ASSESSOR

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