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The Magic of the Wand™

By Talar Guldalian, ASDA '00 Extern

The majority of people today are terrified to see the dentist because they fear the possible infliction of pain. This fear is precipitated with the sight of a large needle and the impending distress that patients perceive it will afflict. Fortunately, in 1997 the Wand™ was introduced into the dental field. This computer controlled anesthetic delivery unit is unique in that it provides more effective anesthetic delivery than a traditional syringe, and yet is completely painless.

The majority of patients feel discomfort during injections due to the discontinuous flow of anesthesia, which builds up tension in the tissue. The Wand™ injects anesthesia at a constant pressure and volume, with a slow unperceivable infusion rate. Adjustments are automatically made by the computer delivery system for the variable densities of tissue the needle penetrates. Furthermore, the Wand™ projects a stream of anesthesia into its path, anesthetizing the surrounding tissue before it continues to insert, blocking all sensation of

the penetrating needle. In addition to the discomfort of the traditional instrument, the frightening appearance of the classic syringe reinforces a patient's anxiety. However, the needle of the Wand™ is within a pen-like handpiece of clear-colored microtubing, which in turn is attached to the computer system. The appearance of this handpiece is not as formidable as a long silver syringe and needle, and therefore the patient's apprehension is partially alle-

viated.

For the clinician, the Wand™ is practical and efficient. It has the benefit of aspiration like the traditional syringe; however, it does not require autoclaving for maintenance. The microtubing is simply replaced between patients, and the same carpules used for traditional syringes are inserted into the Wand™. Its use in the institutional setting has been controversial due to the time-consuming assembly of the apparatus, as well, students utilizing various operatories would have to share the unit. This is in con-

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Christina's Smile and ASDA

By Arghavan Shahidi, BU Dental Student

There I was in downtown Boston, the same place where the leaders of the American Revolution gathered in the Faneuil Hall area to generate and debate ideas of a better life. To the people walking in the area, it was hard to miss an eighteen-wheel truck parked on the sidewalk with a picture of a molar playing golf and a group of twenty children playing games. Now who said going to the dentist is not fun?

I walked into the truck that was divided into three sec-

tions. The first section had a radiography unit. The second section consisted of three operatories, each with a Pedodontist and an assistant hard at work. The third section contained the sterilization area and supplies. To my surprise there were no screaming or yelling children. I had heard about Christina's Smile through an ASDA e-mail from our school, but I did not appreciate it as much as I should have. I walked around a bit and proudly ran

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In Profile: Dr. Sydell Shaw

One of the 1st Female Endodontist in the US

By Ariel Bales-Kogan, BU ASDA Social Chair



Dr. Sydell Shaw, DDS, FACD, *New York University. Associate Dean for Admissions and Student Services; Assistant Clinical Professor of Diagnostic Sciences and Patient Services.*



An incredible woman in all respects, a caring and giving soul are understatement to describe Dr. Sydell Shaw. During a time of male domination of most professional careers, she struggled against all odds to achieve her dream of becoming a health professional. This article could not do justice at shedding light on the entire life of this woman. A hard cover biography would be required for that job. However, how did a young Jewish girl from Brooklyn become such an outstanding endodontist and an invaluable asset to the Boston University Goldman School of Dentistry.

At 10 years of age, it was total confusion that directed her attention to dental care. She was seeking dental treatment and was sent for two separate professional opinions and received two quite different treatment plans with a drastic difference in the price. She could not believe that such situations could occur. It was this astonishment which led her into the field of dentistry. She was determined to take this "confusing" situation as a guide to be better in the future. At the age of 17 she started college and completed the requirements in three years after which she immediately entered the dental program at the New York University College of Dentistry (class of '53). She was one of

three females in a class of 150 males. It was not easy! 90% of the male students were on the GI bill and believed that there was no place for females in their class. Females were excluded from fraternities, there was a lack of camaraderie, and the faculty was not very understanding to the female population. Yet, it is this same harsh experience that helped her develop and become the woman she is. Once again, she turned the negatives into positives for all who came in contact with her.

After graduation from NYU dental school, she received a teaching fellowship in periodontics and a residency in a private practice in New York city where she was exposed to many endodontic cases. Juggling her time efficiently, she worked at the dental clinic three one half days, attended evening continuing education courses, and spent all other free hours at the private practice. Her interest in endodontics led her to enter the six month endodontic program, one day per week, at the University of Pennsylvania Dental School, under the supervision of Dr. Louis Grossman who at that time was referred to as the "father of root canal." After completing the endodontics program in 1954, she went into part time private practice limited to endodontics while continuing

her teaching fellowship at the NYU dental school. She admits that as a female she was somewhat uncomfortable; however, it did not take long for her to feel immersed and content in the profession. She believed that so long as she showed the patients her good and caring intentions, the gender issue would become irrelevant. This was the case and the beginning of a successful career.

Yet she admits that in no way could she have done it alone. After relocating in Boston, she renewed her friendship with Dr. Herbert Schilder who was her former college and dental school classmate. Dr. Schilder has played a major role in the endodontic field having invented the warm Gutta Percha technique for root canal treatment.

He has been at the Boston University dental school for over forty years, serving as the Chairman of the Endodontics Department, and is currently a Professor Emeritus and Director of Development. She took his continuing education course in endodontics to learn his new procedure. Dr. Shaw joined Dr. Schilder in his private practice on a part time basis. While there she learned that it was most important to phone her patients in the evening to be sure that their symptoms had been relieved.

The late Dr. Henry Goldman, who was the former Dean and

(Continued on page 3)

"...I love dentistry, but most of all, I love helping others."

-Dr. S. Shaw

In profile ...

(Continued from page 2)

Founder of the Boston University School of Dental Medicine, invited Dr. Shaw to be a member of the Board of Admissions. Her expertise and charm at-



Dr. Shaw at the class of '03 white coat ceremony with student Wendy.

tracted the attention of Dean Spencer Frankl and he offered her the position of Director of

Admissions and Student Affairs, and later promoted her to the position of Associate Dean. During all this time Dean Frankl became her mentor and he approved of her student open door policy which she still observes whenever possible. She believes that every student she

reaches and every student she helps will hopefully in turn do the same for someone else. As she did in her private practice, she follows up all students to help them with their problems, be they academic or personal, and will never give up on a student. She will always "go the extra mile."

With much enthusiasm, she states "I love dentistry, but most of all, I love helping others."

Any student who has stepped foot in her office knows the feeling of being comforted. Everyone is "sweetheart" or "darling", as she is not afraid to be affectionate, or slip into a grandmother role for anyone. Behind her desk are countless "Thank-you" cards and letters from students she has inspired over the years.

On the wall hangs an old Lakota Indian saying:

Tell me, and I'll listen

*Show me, and I'll understand
Involve me, and I'll learn.*

Her son is a practicing Prosthodontist in the Boston area and a graduate of the Boston University School of Dental Medicine. It is evident that she is very fond and devoted to her family.

The mindset of years ago is very different. Women today are found in virtually every field. The dental class of today is about 40% female. Dentistry is also much different, with new challenges.

Dr. Shaw is a pioneer in her field and has worked hard for many years, "being all things to many people." She is grateful for the opportunities she has received, and the good people who have surrounded her. She recently retired from private practice, but continues her most important work at the B.U. dental school. Should you ever need any help, do not hesitate to drop in and seek her advice.

ASDA

Basketball Tournament



**9am - 2pm
September 30**

Compete against other teams from BU, Tufts, & Harvard.

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(subject: Basketball)**

- 1. Team Name**
- 2. Captain's name, email, & phone #**
- 3. Names of team members**

Sign up individually, and teams will be formed providing enough single individuals sign up. All players must be BU, Tufts, or Harvard students, faculty, or staff.

Having Fun ...

By Farshad Bakhtyari, BU ASDA First Delegate

First and foremost, I'd like to extend a "welcome" to the entering class. I'm sure school will keep you busy for the next few years. However, at times we all need to relax and take our minds off of schoolwork. Boston is a beautiful city, with so much to offer and enjoy. Since I've lived here for over 20 years, let me give you my personal review of the best places to eat and party, no matter what mood you're in.

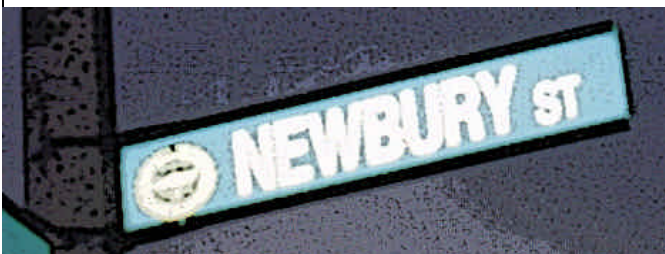
Frankly, the best places to hang out at any time are mostly on Newbury St. or in the North End/Fanueil Hall area. There are so many places to eat in these areas, but I'll try to narrow it down to

the ones worth a little more attention. This city is BIG on Italian food. Where else but the North End (Italian district) for that, right? For lunch, my favorites there include: D'Parma, Umberto's, Pizzeria Regina, and Il Panino. For dinner, I would suggest Pagliuca's, Piccola Venezia, and Café Paradiso. While you're in the area, why not top off your meal with some Tiramisu and a cappuccino at Caffé Vittoria or Caffé Graffiti. Desserts and other sweets can always be bought at two very famous pastry shops: Mike's Pastry and Modern Pastry. Also, for post-club munchies, try out Café Pompei, where

"happening" place in the city. There are tons of stores and restaurants in this area. I'm sure that at least by the end of your four years at BU you'll hit most of these places at one time or another. However, the favorites among the dental school students seem to be Pho Pasteur for Vietnamese food, Kashmir for Indian, and Whiskey's Bar on Boylston St. for 10 cent wings and \$2.50 appetizers on Wednesdays and Thursdays!

Other good places to eat in or around Boston include: The Noble House in Brookline for the best Chinese food. Fried seafood cannot be beat at The Clam Box of Quincy. Take out Italian is unbelievable at Bottega Fiorentina on Harvard St. in Brookline. Also, the best place for a fancy dessert (especially if you're on a date) is Finale, located behind the Park Plaza Hotel. When you have something really big to celebrate or it's just a very special night, these are my favorite places to have dinner (Warning! Bring your Platinum Card): The Bay Tower Restaurant, which has a very romantic view from the 33rd floor of a sky-rise; Olive's, which is owned by Todd English, one of the best chef's in the U.S.; and Abe & Louie's, where you'll be treated like a king with their excellent service and gracious atmosphere. As for nightlife, there's something for everyone. Clubs on Landsdowne St. are worth checking out, especially Avalon and Embassy. Jillian's on Landsdowne is a nice place to relax with your friends while playing billiards or video games, and watching sports. Good bars include McCarthy's, Rattlesnake, or The Rack for a good time. For a more international crowd type

you'll find good food and a cool crowd at a late hour. Newbury St. is the most



Top: Newbury St. is not only the "Posh" center of Boston but has some of the best (and priciest) restaurants and shopping. Bottom: The Quincy/Fanueil Hall area is rich in food, history, and people.

(Continued on next page)

... in Boston



Top: Whiskey's bar is known to congregate dental students. It's almost a weekly tradition.

Bottom: Mike's Pastry proudly displayed sign in the North End. You have to try their products to believe the amazing taste.



(Continued from previous page)
 of Bar/Lounge, may I suggest Caprice, Modern and Pravda. Two clubs worth checking out are The Roxy, which is the largest club in Boston, and Sophia's, when you're in the mood for some latin music. Both places are packed every Friday and Saturday night. If you're not into the crowds and the wild partying, have a drink at The Top of the Hub, located at the top of the Prudential Building. You can also enjoy a nice drink or dessert at The Spinnaker, which is a revolving restaurant/lounge at the

top of the Hyatt Hotel in Cambridge. The city also offers great plays and musicals in the theater district; The Wang Theater is worth checking out in the winter to see The Nutcracker. I hope I've helped you in getting your Bostonian adventure started. All of the mentioned establishments are in the city of Boston unless otherwise specified. Please try to have a good time while you're here, and if you have any questions about the city please don't hesitate to email me at fbakhtya@bu.edu. Best of Luck!

- D'PARMA RESTAURANT**
456 HANOVER ST
BOSTON MA 02113
(617) 523-4205
- FINALE RESTAURANT**
1 COLUMBUS AVE
BOSTON MA 02116
(617) 423-3184
- KASHMIR INDIAN RESTAURANT**
279 NEWBURY ST
BOSTON MA 02116
(617) 536-16953
- MIKE'S PASTRY INC**
300 HANOVER ST
BOSTON MA 02113
(617) 742-3050
- MODERN-PASTRY SHOP**
257 HANOVER ST
BOSTON MA 02113
(617) 523-3783
- NOBLE HOUSE**
1306 BEACON ST
BROOKLINE MA 02446
(617) 232-9580
- OLIVES**
10 CITY SQ
CHARLESTOWN MA 02129
(617) 242-1999
- PAGLIUCA'S RESTAURANT**
14 PARMENTER ST
BOSTON MA 02113
(617) 367-1504
- PHO PASTEUR RESTAURANT**
119 NEWBURY ST
BOSTON MA 02116
(617) 262-8200
- PICCOLA VENEZIA**
263 HANOVER ST
BOSTON MA 02113
(617) 523-3888
- PIZZERIA REGINA**
1 FANEUIL HALL MARKET PL
36
BOSTON MA 02109
(617) 742-1713
- SPINNAKER ITALIA**
575 MEMORIAL DR
CAMBRIDGE MA 02139
(617) 492-1234
- TOP OF THE HUB**
800 BOYLSTON ST FL 53
BOSTON MA 02199
(617) 536-1775
- TRATTORIA IL PANINO**
NORTH END
11 PARMENTER ST
BOSTON MA 02113
(617) 720-1336
- UMBERTO GALLERIA**
289 HANOVER ST
BOSTON MA 02113
(617) 227-5709
- WHISKEY'S FOOD & SPIRITS**
885 BOYLSTON ST
BOSTON MA 02116
(617) 262-5551

Restaurant Listing

ABE & LOUIE'S STEAK HOUSE
793 BOYLSTON ST
BOSTON MA 02116
(617) 536-6300

BOTTEGA FIORENTINA
41 HARVARD ST
BROOKLINE MA 02445
(617) 738-5333

CAFE PARADISO
255 HANOVER ST
BOSTON MA 02113
(617) 742-1768

CAFFE VITTORIA
296 HANOVER ST
BOSTON MA 02113
(617) 227-7606

BAY TOWER
60 STATE ST FL 33
BOSTON MA 02109
(617) 723-1666

CAFE GRAFFITI
307 HANOVER ST
BOSTON MA 02113
(617) 367-3016

CAFE POMPEI
280 HANOVER ST
BOSTON MA 02113
(617) 523-9438

CLAM BOX, THE
789 QUINCY SHORE DR
QUINCY MA 02170
(617) 773-6677

The Magic of the Wand™ ...

(Continued from page 1)

trast to the ease of its use in private practice. In this setting the unit is previously assembled and easily accessible such that the dentist needs only to slide in the carpule and change the microtubing. In addition to the time factor, the cost may also be a variable in debating its worth in the institutional setting, since each unit is priced at \$999 plus the cost of the disposable needles.

The Wand™ is currently being used in widespread clinical settings, as well as a number of dental universities, such as Boston University Goldman School of Dental Medicine. Studies are being conducted to evaluate the clinical effectiveness of the Wand™ for anesthetizing tissues that are less compliant and highly resistant. The use of the traditional syringe is limited in these areas since a large force is required to deliver the injection, leading to inconsistent and painful distribution of the anesthetic solution. This application of the Wand™ is being used for the anterior middle and palatal anterior superior alveolar injection at the roof of the mouth, preventing the temporary numbness of the muscles of mastication induced by the infiltration procedure. Other in-

vestigations are evaluating the application of the Wand™ for injection of the periodontal ligament. At Boston University, Dr. Hains is investigating the patient's comfort level with the Wand™ and students opinions of its efficacy and practicality in certain procedures. Among the many advancements of dental technology, the Wand™ has established a positive role in the dental field. By improving patients comfort levels and reducing their anxiety, the Wand™ will increase patient compliance for biannual dental visits, and thus promote preventative dental care. New technology such as the

Wand™ will help eliminate age-old fears, and encourage patient well-being.

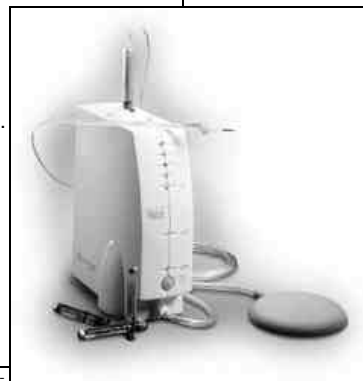
For further information contact:

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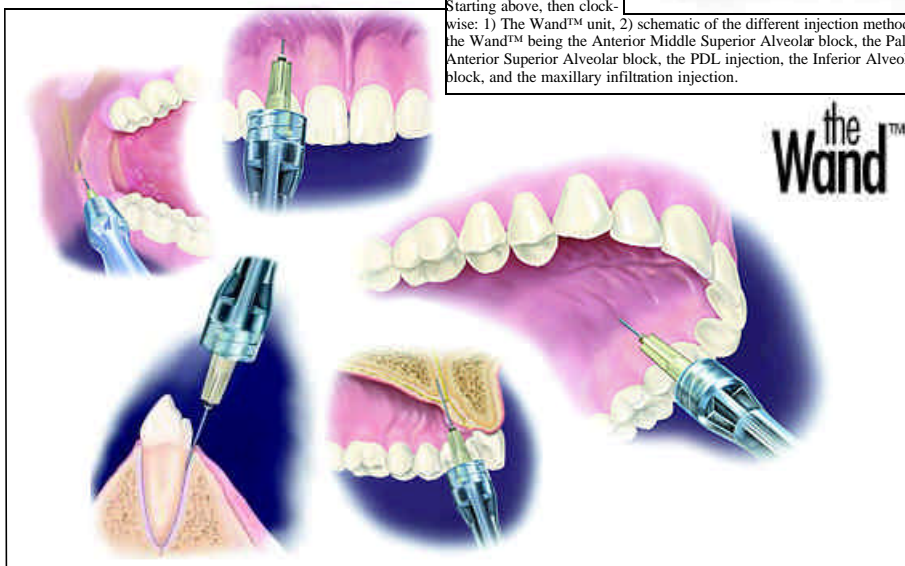
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847-272-3207
info@thewand.com



Starting above, then clockwise: 1) The Wand™ unit, 2) schematic of the different injection methods of the Wand™ being the Anterior Middle Superior Alveolar block, the Palatal Anterior Superior Alveolar block, the PDL injection, the Inferior Alveolar block, and the maxillary infiltration injection.



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Get involved, be part of ASDA!

By Lily Ghafouri, BU ASDA Second Delegate

The first few weeks of dental school are special since they are a time associated with enthusiasm, frustration, happiness and anxiousness. Many of you are wondering what non-academic opportunities there are at Boston University. The American Student Dental Association or ASDA is a national non-profit organization run by students for students. Throughout your dental education, there are many opportunities to become involved with your school's chapter.

You may choose to be involved in various aspects of ASDA depending upon your personal interests and goals. The most obvious way of becoming familiar with ASDA is by attending our monthly meetings and running for a local position. Regardless of your position, you will work alongside other ASDA leaders at BU to further the success of our local chapter. At the same time, you will learn more about the organization that works to protect the interests of students pursuing a career in dentistry. Local leaders are encouraged to attend both Annual Session (held in Boston in September 2000) and the Eastern Tri-Regional meeting, where leaders from schools across the nation gather to exchange ideas.

If you enjoy your involvement during the academic year, you may decide to apply for one of the ASDA externships. The externships are scheduled during the summer months, and are thus better suited for DMD-I students, during the first APEX rotation. Externships are available in national health policy (Washington DC), in clinical research and at the ADA office (both in Chicago). Not only does this experience allow you to benefit from an informed look at ASDA, but it can also

enhance your application should you choose to apply for post-doctoral programs. Room and board is provided, as well as a weekly stipend. Many students who complete an externship decide to further their involvement with ASDA as a consultant or member of the Board of Trustees.

The Board of Trustees consists of 10 regional trustees. Boston University is part of Region 1 along with Tufts, Harvard and University of Connecticut. As a Trustee your responsibilities include attending all meetings, representing local chapters within your region and serving as a link between the local chapters and the national organization.

Each year the Board of Trustees appoints consultants to serve as advisors and research personnel. Consultants develop projects to identify the needs of dental stu-

dents and propose policies in their area of expertise. Consultants are appointed in the areas of career development, diversity, ethics, dental education and licensure...to name a few. Applications for those positions are due in March.

As you can see, the opportunities to become involved in ASDA are endless. These are only a few of the many positions available to all dental students. There are also positions in the executive committee and the editorial board. As you begin your dental education, grasp the opportunity to learn more about your future career. I have truly enjoyed working as a member of this motivated and determined group for the past year. I am eager about working closely with all of you in promoting the interests of ASDA and dental students in the year to come.

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(Continued from page 1)

into a few classmates who were busily working. They obviously did more than just read the e-mail's. My walk led me to the founder and president of Christina's Smile, Dr. Richard R. Garza. I found Dr. Garza to be a very warm and pleasant man. I immediately put him on a pedestal for his accomplishments, but he persistently reminded me that without his sponsors, Christina's Smile would not be possible. As the kids were called into the truck one at a time, Dr. Garza and I continued our talk. He told me all about "the wonderful difference making machine." He explained that contrary to what people thought 10 years ago, Christina's Smiles has provided in excess of \$4.5 million worth of dentistry to children in need across America. As well, he added that Christina's Smile was fortunate to receive the current amount of funding. Although he mentioned a few top names in golfing, my lack of knowledge in the world of golf

Christina's Smile and ASDA...



made me miss the big titles. More importantly, it was wonderful to see all these people coming together, the sponsors, the dental assistants, the dentists and the students for this nonprofit organization.

Christina's Smile travels from one coast to the other each year. In cooperation with the senior PGA tour, it travels to Miami, Naples, Austin, Scottsdale, Lexington, Atlanta, Las Vegas, Nashville, San Antonio, Dearborn, Chicago, Colombia, Akron, Sioux Falls, Long Island, Boston, Indianapolis, Winston-Salem, Napa and then returns to Houston. It spends three days in each city and provides dental care for children in groups of twenty. The staff makes arrangements with local shelters and churches to coordinate the children's schedules. All other help, the dentist, dental assistant and the student volunteers have their schedules and days set up ahead of time and ready to go Monday morning. Dr. Garza

also mentioned that they try not to see the same child twice.

They want to help as many children as possible. To me, the most rewarding statement Dr. Garza made was "we take the business end of dentistry out and just make it a clinical aid." He told me that no dentist in the truck had to worry about the affordability of the treatment plan for the child. What ever is the best treatment plan for the health of the child is what is done. No thoughts about how much or whether the insurance covers it. Is it best for the child to have a stainless steal crown or a four surface amalgam? Money is not the object of the game, but rather what is clinically best for the child. I walked away from that truck on that day feeling good about life. I was thankful that people like Dr. Garza and the Christina's Smile staff and volunteers exist in this world. It was inspiring and rewarding. It would be difficult for you to really understand what I mean without seeing it for yourself. We can only hope this kind of courage is contagious.

Something Fun!!

THE SEA of WORDS

Figure out the answer to the question, then find it in the 'sea' of letters.

1. This drug will increase prothrombin time.
2. Use this to soak the retraction cord, in order to cause vasoconstriction.
3. This warning is the cause of a recent law suit against toothbrush companies
4. This term defines a condition that is "caused by the dentist"
5. This mosquito-transported virus recently caused deaths in New York.
6. When following "Extension for prevention" guideline, which grooves should not be touched.
7. The term describing the change of shape of incisors due to congenital syphilis.
8. A term for chest pain.
9. A type of infection involving bilateral facial spaces, and the full name includes the answer to number 8 (above).

H	D	E	C	S	E	L	A	O	C
U	H	F	L	I	H	D	J	N	I
T	A	E	W	U	J	A	O	I	N
C	O	U	M	A	D	I	N	L	E
H	S	Y	Z	O	S	S	U	E	G
I	I	A	Q	A	D	D	V	P	O
N	C	V	R	S	W	E	H	A	R
S	A	B	C	I	R	R	N	K	T
O	A	N	G	I	N	A	Q	T	A
N	R	S	B	G	G	J	N	S	I