

# Aphasia's victims led back to speech

By ELIABETH TULLY

Just about everyone knows somebody who has had a stroke. Sometimes, the brain damage caused by a stroke can result in aphasia—impaired ability to speak, understand, read and write.

Persons who have suffered this loss of communication have a dedicated advocate in the Farmington area. Teri Craine, Farmington Hills' newest speech and language pathologist, aids the recovery of aphasic patients.

In addition to treating patients privately, she is a consultant in the Speech and Language Pathology Service for inpatients which opened in January at Botsford General Hospital, Farmington Hills.

She has treated children and adults with congenital aphasia and those who become aphasic as a result of car accidents, strokes, hypertensive crisis and meningitis.



Teri Craine (right), Farmington Hills speech and language pathologist, aids patient Norman Levy to the road to recovery. (Staff photo)

AN INABILITY to use oral muscle (dyspraxia) and muscular weakness (dysarthria) often accompany aphasia.

At Botsford, where 70 stroke patients were treated last year, Ms. Craine visits patients in the intensive care and acute care units to reassure them that she will begin therapy when they are able.

"Often a patient is ready to talk about his defects," she said.

"He is aware of them. He will say, 'I don't know what's the matter with me. I can't read. I can't write anymore.' I tell patients that they are right, they are having difficulty, but these things will improve with time.

"If the problems don't improve, I will be able to help," she said, adding that some speaking ability returns spontaneously within three months after the stroke.

Ms. Craine has been working with one aphasic patient since he suffered a stroke a year ago.

Then, the patient, who is in his forties, was an advertising executive who managed a frenetically-paced business with aplomb. Today, he is unable to write a sentence.

The stroke paralyzed his right side, and he was unable to make any sounds.

Through a combination of relaxation techniques, literally manipulating the muscles in his throat, he eventually could make vowel sounds. He just wasn't motorically impaired. The brain couldn't will those muscles to work even though the muscles were functioning," said Ms. Craine.

The left side of the brain, which controls speech, is damaged in aphasia. The right side, which controls rhythm, often remains intact and is used during the recovery process. Phrases such as "how are you?" are taught

through rhythmic, repetitive chanting.

The patient regains confidence and self-esteem in this exercise, Melodic Intonation Therapy, when he hears himself saying entire phrases again.

"He was severely impaired and now he ranges from mild to moderate in reading, writing and gesturing. Language includes all these modalities," Ms. Craine said of the patient.

"The patient's ability to swallow, gesture and draw are all important to the therapist because our speech and language systems are all tied in.

"For both the medical community and the family, the therapist should be able to substantiate the patient's progress by objective measures," she said.

Speech and language pathologists use the Porch Index, the Boston Diagnostic Aphasia Examination and a battery of tests to evaluate functioning.

"He will always have a communication problem," said Ms. Craine. "But we will do the best we can. To say that there was no sense in working with him a year ago because he was this severely impaired wouldn't have been fair—to him, his family or to society."

Although some experts say that all improvements must be made within one year following the onset of aphasia, Ms. Craine disagrees. However, when a patient fails to improve on tests, she tells the family that continued treatment may be unnecessary.

After the patient leaves Botsford, he continues his therapy as an outpatient, or as an inpatient at a rehabilitation center.

"As long as there is a prognosis for continued return of functioning that is heightened by an intensive program, the aphasic will remain as an inpatient," Ms. Craine said.

"Depending on transportation arrangements, he will later return home, or the Visiting Nurses Association will visit him in the home if he is physically incapacitated.

"I guess I'm an optimistic therapist. The brain is so remarkable. But I'm realistic. People come to a stroke with a whole set of personality traits. Those patients who were successful before the stroke have the potential and drive to succeed again."

At Botsford, she conducts in-service lectures on aphasia for physical medicine, neurology, ear, nose and throat and nursing staff.

"Physical medicine is a relatively new specialty and I'm sure that the majority of the community doesn't even know it exists. Doctors James Newman and Victor Gordon coordinate the rehabilitation efforts for patients. They have insights into all of these areas and they have realistic goals," she said.

"IT'S EXCITING to see people who understand what makes rehabilitation successful. In our team approach we hope to have some common goals for the patient's recovery."

Ms. Craine taught children for three years in the Farmington school system and spent 1½ years treating patients

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### "THE METROPOLITAN OPERA ON TOUR"

Marjorie Gordon and selected members of her Piccolo Opera Company will conduct opera classes at Franklin Elementary School for seven consecutive Wednesday evenings, April 5 to May 17.

The first session will last three hours and begin at 7 p.m. A general discussion of opera and an in depth analysis of *Thais*, the opening night opera, will be discussed and illustrative parts sung. Italian refreshments will be served at this session.

All other sessions, each discussing one of the coming Metropolitan Operas, will start at 8 p.m. and be one and a half hours long.

Cost per person is \$35. Send your check at once to reserve a place to:

Janice Morganroth, Community Education Coordinator  
32220 Franklin Road, Franklin, Michigan 48025  
644-9300 ext. 244

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## Board reviews budget items

(Continued from page 1A)

eliminating some programs, if they can't be maintained down the road.

Schulman responded that some programs would be considered for elimination, including those originally fully funded by the state or federal governments and now paid for, in part (50-75 per cent), by the district.

The intellectually gifted program (established last fall); further athletic cuts, and the junior high reading program may be cut in the future, he added.

### CITY OF FARMINGTON COUNCIL PROCEEDINGS (Summary)

A regular meeting of the Farmington City Council was held February 21, 1978 in the Council Chambers, 2360 Liberty Street, Farmington, Michigan. The meeting was called to order at 8:00 PM by Mayor Pro Tem William S. Hartsock. Present were Councilmen Bennett, Hartsock, and Buckler. Absent were Councilmen Voder and Mayor Tupper.

City Officials present were City Mgr. Deadman, Director Byrnes, Attorney Kelly and Clerk Viane.

Matters of the previous meeting were approved as corrected. Minutes of other boards were received and filed.

Request from Toy Town, 31500 Grand River, was referred to the Planning Commission.

Council received the letter from The Reverend John K. Hooper, Trinity Episcopal Church, Farmington, regarding a Senior Citizen Chorus Service and Minor Home Repair Program.

Council received the letter from the City of East Detroit requesting financial assistance in their appeal to the U. S. Supreme Court regarding their local obscenity ordinance.

Council supports the City of Birmingham and other cities in opposing proposed legislation which would allow gasoline stations to sell packaged liquor.

Council supports the Township of Rose in requesting our legislators to support legislation which would require adequate notification, public hearings and review and comment on land which has been designated for recreational use prior to its transfer to another use.

The following resolutions were adopted:

- supporting the Farmington Beautification Committee efforts to landscape and maintain the Grand River/M-100 Intersection.
- amending the South Oakland County Reciprocal Police Aid Agreement.
- appointing National Bank of Detroit as Paying Agent for Special Assessment and General Obligation Parking Bonds.

Council was advised of the Michigan Municipal League Annual Legislative Conference to be held in Lansing on March 22-23, 1978.

Council authorized payment in the amount of \$64,046.08 for work completed at the Department of Public Services Facility.

Application for 1978-79 Community Development Grant was approved.

Council instructed City Manager to contact the Governor's Office requesting release of State Disaster Contingency Funds.

Council submitted accepting bids for one Chevrolet Nova Police Vehicle, waiving the normal bid process.

The Farmington Youth Assistance quarterly report was received and filed.

Monthly bills were approved.

The meeting was adjourned at 10:00 P.M.

WILLIAM S. HARTSOCK, Mayor Pro Tem  
NEDRA VIANE, City Clerk

Publish: March 2, 1978

### CITY OF FARMINGTON NOTICE OF PUBLIC HEARING

A Public Hearing will be held at 7:30 P.M. Monday, March 20, 1978 in the Council Chambers, 2360 Liberty Street, Farmington, Michigan, regarding the Proposed Use of Federal Revenue Sharing Funds expected to be received during the 1978-79 Fiscal Year in the amount of \$61,000.00.

All interested persons will be given an opportunity to provide written or oral comments on the proposed uses for entitlement funds to the City of Farmington.

NEDRA VIANE  
City Clerk

Publish: March 2, 1978

### CITY OF FARMINGTON HILLS NOTICE OF 1978 BOARD OF REVIEW

Notice is hereby given to all persons liable to assessment in the City of Farmington Hills, that said assessment for the year 1978 will be subject to inspection at the city offices located in the City Hall at 31555 Eleven Mile Road.

The 1978 Board of Review will be in session:

WEDNESDAY, MARCH 15, 1978, 9-12 A.M. and 2-5 P.M.  
THURSDAY, MARCH 16, 1978, 9-12 A.M. and 2-5 P.M.  
FRIDAY, MARCH 17, 1978, 9-12 A.M. and 2-5 P.M.

and upon request of any person who is assessed, or his agent, and upon sufficient cause being shown, correct the assessment on such property in such a manner as will in their judgment make the value relatively just and equal.

The tentative factors and ratios relative to the 1978 assessments on real and personal property are:

Real Property	Factor 1.00 Ratio 50.00%
Personal Property	Factor 1.00 Ratio 50.00%

ROBERT D. ROMER, Assessor  
FLOYD A. CAIRNS, City Clerk

Publish: February 23, 1978 and March 3, 1978

### CITY OF FARMINGTON BOARD OF REVIEW

NOTICE IS GIVEN TO ALL PERSONS THAT:

AN ASSESSMENT ROLL of all property in the CITY OF FARMINGTON subject to taxation has been prepared by the City Assessor and said Roll will be subject to inspection at the Office of the City Assessor in the Municipal Building, 23600 Liberty Street, Farmington, Michigan, on or after February 27, 1978.

THE BOARD OF REVIEW WILL BE IN SESSION AS FOLLOWS:

MONDAY, MARCH 13, 1978	9:00 - 12:00 Noon 1:00 - 5:00 P.M.
TUESDAY, MARCH 14, 1978	2:00 - 5:30 P.M. 7:00 - 9:00 P.M.

Upon request of any person who is assessed on the Roll, or his Agent, and upon sufficient cause being shown, the Board of Review can adjust the Assessment on such property in such a manner as will in their judgment provide an equitable Assessment. Such Assessment Roll reviewed by said Board of Review shall be the ASSESSMENT ROLL OF THE CITY OF FARMINGTON FOR THE YEAR 1978.

Please call the City Assessor, Mr. John Sailer, 474-5500, for an appointment if you wish to review the Assessment against your property, or if you wish to appear before the Board of Review.

NEDRA VIANE, City Clerk

Publish: February 27 and March 3, 1978