NLPS RULE WRITERS GILD

(Natural Language Processing Software)

APPRENTICESHIP COURSE

A GENERAL INTRODUCTION TO NATURAL LANGUAGE PROCESSING

During the 1980's a "Revolution" swept through the Computer Industry. It was the changeover that allowed the layman to operate computer software in his own spoken, "natural" language, rather than needing the assistance of a professional computer programmer, who had to be proficient in the intricacies of an elaborate mathematical code, that was called, an "'artificial' language," in order to use a computer.

This development began in Utah Valley, in Utah, in the USA.

The World Academic Community named this development, "Natural Language Processing (NLP)" and said that it originated from the development of Cost-effective Machine Translation in Utah Valley, in 1978.

The "1961 Address"

On the evening of September 11, 1961, President Hugh B. Brown, of the First Presidency of the LDS Church, gave an Address to the Faculty and Staff of BYU (in Utah Valley) in a "Pre-School Conference."

In that evening, "key-note" address to that Conference, the bulk of which Conference occurred on the following day, September 12, 1961, Hugh B. Brown quoted and made comments about another address that had been given the previous summer (and then written up as a magazine article) by General David Sarnoff, then the Chairman of RCA.

Sarnoff is credited with inventing the household radio when working for the Marconi Company, inaugurating both radio and television broadcasting, and developing color television.

From the mid 1950's until 1966 he regularly tried to enthuse audiences with the possibilities for the global Marketplace that would become available by the advances in electronics which today provide people with the Internet, which world-wide telecommunications facility would be made possible in large part by such telecommunications developments as the antenna, developed by RCA's parent company the Marconi Company, and by its advancements, telecommunications satellites, promoted by RCA.

The following are quotes from these two Addresses. These two quotes along with the third quote from Hugh B. Brown are the origins of NLP. (The quotes in regular margins are those of Hugh B. Brown, and those in narrower margins are those of David Sarnoff.)

"I read in a magazine recently, and most of you professors have run across it, some comments and predictions well worth repeating. David Sarnoff, of the Radio Corporation of America, said to be the best informed man in his field in the world today, made some pertinent remarks. Listen.

He makes a prophecy...

'By the year 1978, less than twenty years from now, we will have learned ... Television in full colors will be completely global so that men will be able not only to speak and hear around the globe ... but to see the entire world in natural colors. Individuals will be able to hold private two-way conversations and see each other as they

talk, regardless of the distance separating them. Moreover, the beginnings will have been made in the automatic and instantaneous translation of languages, enabling people to understand one another across the barriers of Babel.'

Remember the message of the Master, 'Go into the world and preach the gospel to every creature?' Sarnoff says science will provide the vehicle and make it possible to do just that, because we can stand in Salt Lake and talk to all the world, and regardless of their languages they will understand what we say, and thus will the world become prepared for the coming of the Son of God.

My brethren and sisters, be prepared. All of this will happen."

The projects to which Sarnoff referred, having to do with cost-effective, computerized, or machine, translation, "the automatic and instantaneous translation of languages," were found to be failures by a US Government committee in 1966; and funding for such projects thereafter generally disappeared in the USA and elsewhere.

Apparently some people then questioned President Hugh B. Brown as to how he could have used the position of his office to say that Sarnoff 's 1961 prediction, that, "By the year 1978 ... the beginnings will have been made in the automatic and instantaneous translation of languages" was a "prophecy" and that "all of this will happen," etc., after those programs to which Sarnoff referred were demonstrated to be of no value.

Hugh B. Brown referred to the 90th Section of the LDS book, "The Doctrine and Covenants," which states:

"10. And then cometh the day when ...
11. For it shall come to pass in that day that every man shall hear the fullness of the gospel in his own tongue and in his own language ..."

It is felt that there are over 6,600 mutually unintelligible spoken languages in the world. Only a few hundred of those are both written and have a large proportion of their speakers which are able to read the scheme for writing their language. That means that ― except for the virtually impossible task of forcing every native clan in every remote jungle to learn to READ a scheme for writing their language — a voice-activated machine translation development, such as Sarnoff predicted and promoted, would have to be developed in order that, "every man may HEAR the fullness of the gospel in his own tongue and in his own language."

With Hugh B. Brown's encouragement, a project that lasted through 1978 was begun at BYU, in 1971, to try to develop cost-effective, computerized language translation. The LDS Church invested $500,000.00 in the project, and there were other contributors.

This BYU Program was given through 1978 to demonstrate that it worked. When it also proved to be a failure it moved off the BYU campus.

NLP began with the development of the language analysis technique, which was called either, "New Learning" or, "Language Science," developed by Bruce Wydner in 1970-1.

He brought it to Provo, Utah (in Utah Valley), in 1972, to demonstrate it to the LDS Church Language Training Mission and to BYU staff and students.

Shortly after arriving he learned of the BYU Machine Translation Project.

In the summer of 1977 he realized that his developments of New Learning and Language Science could produce the Cost-effective Machine Translation that his acquaintances at BYU were not able to achieve.

He and a group of his acquaintances, that had been trained in Language Science and New Learning during the 1970's, developed Cost-effective Machine Translation in Utah Valley during the years 1977 and 78.

Leadership from the American Translators Association decided to come to Utah to see this development. They arrived on the evening of September 11, 1978 for this demonstration, which they scheduled for the next day, September 12, 1978.

The date of that Demonstration, on September 12, 1978, in Provo, Utah, is considered to be the date of the origin of Cost-effective Machine Translation and of all of the other developments of NLP that came along with it, such as the automatic word processing software for which Utah Valley became famous and of the automatic networking software from Utah Valley, which has given the world the Internet etc.

A significant comment on the coincidence that the Officials of the American Translators Association just happened to pick the date of September 12, 1978 as the date for the Demonstration to them of the reality thereafter of Cost-effective Machine Translation, the very date upon which the 1961 Conference was held at which, in the keynote speech the evening before, it was stated that it was a "prophecy" that "By the year 1978 ... the beginnings will have been made in the automatic and instantaneous translation of languages," is a comment made by the Commission of the European Communities in a book which they published in 1983.

This entity, today styled the Commission of the European Union, is the "Government of Western Europe."

Besides supervising and utilizing the largest language translation operation in the world, this Organization and its constituent Governments have been considered the World's foremost experts on the World Languages that have originated from Western Europe.

The title of their Book is: "Better Translation for Better Communication."

Most of that Book laments the terrible communications burdens of the populations of Western Europe and the staggering costs in translating back and forth over the many language barriers dividing those populations.

However, that tone changes in the last chapter of the book before the chapter entitled, "Conclusion." That next-to-last chapter is entitled, "Machine Translation."

In the section of that chapter entitled, "History of Machine Translation," the European Commission says: "From 1966 to 1978: the crossing of the desert." "1978: hope renewed. From about 1978 onwards, a new wind began to blow in the world of MT" (Machine Translation). "... a new translation system was developed in the United States and marketed simultaneously in the United States and Europe by the Weidner Company."

Language Science, developed by Bruce Wydner and demonstrated for the first time as the basis of Cost-effective Machine Translation on September 12, 1978, by his marketing agent at that time, Weidner Communications, was "A NEW TRANSLATION SYSTEM" to the European Commission. That specific endorsement by them (the previous paragraph), worded as it is, goes quite some way for Hugh B. Brown's saying that the statement, "By the year 1978 ... the beginnings will have been made in the automatic and instantaneous translation of languages" was "a prophecy."

How NLP Got On The Market

As one begins this Course one is immediately confronted by the fact that, for thousands of years now, human society has been fabricated upon a false idea about the nature of human language.

This idea about the nature of human language is made obsolete by the principles of NLP, which allow computer chips to understand and work with the natural languages spoken by the people of the world.

It would, of course, have been irresponsible, on the part of the inventors of NLP to have popularized these principles if the only result of their popularization would be to disintegrate Society. That was not the purpose for doing so.

"What was their purpose?" If one would like to have this Course's message stated in one sentence, it is that: "The original, 'pristine' principles of the society of the English-speaking people, during the first centuries of the Christian Era, which they called, 'Law,' are the true principles which are involved in the creation of human languages and which are revolutionizing human society, as the principles of NLP, in these last years of the Twentieth Century; this Course teaches these principles." The purpose behind the popularization of the principles of NLP is only the positive purpose of their popularization, not any negative effect.

In 1967, President David O. McKay "prophesied" to Cleon Skousen that "the way will open up" for "our people" to "work together by THE LAW."

Hearing of this in 1973 the inventors of NLP organized themselves into the organization of that pristine Anglo-Saxon society, a "GILD." During the last two centuries virtually all human society, in nearly every country, has imitated the principles, LAW and organization of that pristine Anglo-Saxon society, as popularized by the English-speaking people who created the USA. The inventors of NLP reasoned that as the principles of NLP became popular in some segment of human society, the organizational principles of that GILD from which those NLP principles originated would simultaneously come into discussion and serve as a counterbalance against the disintegrating effect of the message of NLP to those entities most aggressively organized around the ancient, false opinion about the nature of human language.

Eyring Research Institute

The true principles of human language that produced NLP originated from their utilization for processing human language in the Book of Mormon, as one reads of that utilization and of its modern application in this Course.

The utilization of these principles, in the way of life called, "Law," by the Anglo-Saxons of the first centuries of the Christian Era, is also outlined in this Course, from its beginning to its end.

These principles of NLP were put into the order in which they are found in this Course starting in the summer of 1966.

The group that became the gild that produced NLP did that, with the information that one sees in this Course, beginning in 1972.

However, it was early in 1978 before they were able to begin making a commercially viable product from these principles. This product was the world's first software to perform the Cost-effective Machine Translation of human languages. That particular software translated Spanish into English. It was put into that final form at, and then demonstrated at, Eyring Research Institute in Provo, Utah, on September 12, 1978.

The Popularization of NLP

The Spanish to English "Multilingual Wordprocessor," demonstrated in Provo in September, 1978 was sold on the world market beginning with its demonstration at the Annual Convention of the American Translators Association, held in New York City, in late October, 1978.

This was the first commercial sale of an NLP product.

"Then, how did NLP products subsequently revolutionize computer software, making inexpensive networking software feasible and creating the Internet?"

The World Academic Community says that NLP originated from Machine Translation. It says that microcomputer database interfaces, the basis of networking software, is made possible by the invention of "automatic parsing."

The linguists etc. who are taking this Course to join the NLP SRW Gild will, by the time that they read this, have gone through a lot of training in the basis of NLP, this "invention" from the Book of Mormon of "automatic parsing."

For those taking this Course who are considering joining any of the other Gilds that utilize the "INTERNET ECONOMY," "automatic parsing" is explained for you in some detail for the English and Spanish languages in the last lesson of this Course.

For the present, "automatic parsing" is that which allows the inanimate computer to precisely identify which "part" of speech a specific word is and what specific form of that part of speech it is, in order for the inanimate computer to understand human languages like humans do, or nearly like humans do.

"So, how did automatic parsing or NLP get from Eyring Research Institute (ERI), in Utah Valley, in 1978, to revolutionize the computer industry of the world, create the Internet, etc.?"

The Internet developed into its current large size and capacity for precision because of the development of NLP Software for networking among computers, by the world's foremost producer of computer networking software, Novell, of Utah Valley.

"How did Novell learn how to do this?"

They hired programmers who understood how to WRITE the RULES for NLP Software who had been trained in how to do that while working at the Eyring Research Institute, as also had happened with WordPerfect, of Utah Valley.

"How did WordPerfect learn how to do that?"

"How Did WordPerfect Learn?"

Again, the World Academic Community says that NLP, popularized by WordPerfect of Utah Valley, beginning in 1979, came from Machine Translation, invented by Bruce Wydner of Utah Valley, in 1978.

In the official statements of WordPerfect, its Founder is credited with being the originator of WordPerfect's NLP "FORMAT," "the main part of the (WordPerfect's) program, that makes it work so well."

During 1978 that Founder, credited with originating that Format in 1979, was the principal computer programmer working for Bruce Wydner to help him prepare his Format of his Machine Translation Program for the market.

After Wydner's Format for Machine Translation had achieved world-wide renown, through its successful demonstrations to the American Translators Association, the man who supervised WordPerfect's Founder in preparing Wydner's Format told Wydner that WordPerfect's Founder had thought of another very important use for that Format.

In short, that Supervisor told Wydner that in addition to using Wydner's Book of Mormon Format for automatic and instantaneous translation between the Spanish and English "human" languages, because of its features, such as automatic parsing etc., that provide NLP for all languages, that Format will also allow either an English- or Spanish-speaking layman (or a speaker of any other language) to use computer software without having to go through an "artificial" language in order to do so.

WordPerfect's offer of this Format to the Market, for English and then Spanish, beginning in 1979, is a part of the beginning of the NLP "Revolution" that has been making all of the spectacular advancements in the prospects for human society that have been witnessed thereafter.

And now, to the purpose for this Introduction, to speak about these spectacular advancements.

The Advancements For Human Society of NLP

If you lived somewhere in the USA and wished to dictate a book over a telephone line to a recording machine somewhere in Latin America, that call would probably take hours and cost hundreds of dollars.

However, if the text of that book were entered into your Personal Computer and you wished to transmit that file over the Internet to a PC in Latin America, the NLP features of that equipment will make the actual transfer at the speed of light, in a "nanosecond" (a "billionth" of a second). (The encumbrances of current equipment, such as the slowness of modems, etc., slow things down but are gradually improving.)

If one second of a telephone call should cost one cent, then it would not be feasible to calculate a charge, let alone charge a person for one billionth of a second.

If you have e-mail software on your PC and also have a speech software package installed on it, then you may make a local call for Internet access and, with any other person in the world with the same equipment, wherever in the world that person may be, you may speak with that person forever at no cost.

This one small advancement of NLP Software, alone, makes obsolete the services of all of the world's long-distance telephone companies.

In addition to the speech software, it is possible to also have video software that allows one to both see and speak with anyone else in the world, on the screen of your PC (acting as a television screen and telephone), forever at no cost.

In 1979 Standard and Poor predicted: "By the year 2,000 it is foreseen that Telecommunications will be so all-encompassing that, at least in dollar terms, it will compete with food production and processing as the biggest industry in the world."

What that said was that, in 1979, at the time when NLP was just beginning, it was then foreseen that THE MAIN USE OF MONEY IN THIS WORLD would be for Telecommunications. Now, on the other hand, because of NLP, Telecommunications ARE "FREE"!

"So, what about 'Money'?" Money is currently produced by the World's "Central Banks."

The World's Central Banks are owned by a "clique" who owns and controls the World's Gold Market and the World's Gold.

However, gold was long ago replaced as the VALUE that drives demand in the World Market.

"What drives it today?"

Beginning at the Atlanta, USA Olympic Games, in 1996, NLP "smart cards," such as are already popular in Britain and Denmark, will be introduced into the US Market. A smart card has a computer chip that one takes to an ATM machine to "fill it up" with VALUE, and that then allows one to gradually spend that value by inserting that card in vending machines etc.

Gold is not the value. "Negotiable instruments" (bills and notes) are not the value anymore.

THE VALUE of the Human Race as the year 2,000 approaches is the ability of silicon to understand human thinking through human language and to do the bidding of humans FOR NOTHING, at no expense.

It is said that the entire former "Middle Management" Workforce of recent years has been replaced by the "Electronic Automated Office."

Computer chips today adequately understand our thinking to the point where they perform for us the work of "BILLIONS OF FREE SLAVES," and very smart free slaves at that.

It is this ability of the computer chip, silicon, to adequately understand the thinking, the language, the communications, the telecommunications of human beings ─ this ability of the computer that the World Academic Community has named, "Natural Language Processing" — that has completely replaced gold and today replaces even bills and notes as the VALUE upon which the current Marketplace of the World wishes to function.

"Where does NLP come from, again?"

From the Book of Mormon.

The "INTERNET ECONOMY"

As one goes through this Course and related literature, one sees that the Founders of the US North and, through it, of the United States of America, had no fear nor preoccupation with the kings of Europe nor of their "Armies," as they set up the USA. Those feudal cavalries etc., that made up those Armies, could not have their horses gallop across the North Atlantic Ocean.

Their sole preoccupation was with the attitude toward them of the United (city-)States of Europe that had, from before the Crusades, operated the unified "Navy" of Europe.

They set up the United States of America to please the United States of Europe.

This Navy so dominated the English-speaking people in their island that the MONEY which they used was never called, "the Money of the King of England" nor "of the Government of England" etc.

No, the Money of England, down to this day, has been the Money of the United States of Europe.

Moreover, the English-speaking people never "called it," the Money of the "Government" of the United States of Europe. They always "called it" the Money of the BUSINESSMEN who conducted the business of England with the rest of the world, THROUGH THAT NAVY (both military and commercial) of the United (city-) States of Europe.

Those Businessmen from those United (city-) States to the EAST of London have always been called, "THE EASTERLINGS," by the English-speaking people; and their Money has always been called, "The Pound of the Easterlings" by us.

Of course their money was not a large, solid POUND of "Sterling Silver." Their coin was 1/20th of one pound of Sterling Silver: a "schilling," in the Dutch language of those Businessmen, a "shilling" in English.

The word, "dollar" is just an English attempt to say the Mexican word, "dolar," which, in turn, is just a Spanish attempt to say the German word, "thaler," which served as a "nickname" for those 1/20th of a pound of Sterling Silver coins, of the Dutch-speaking Businessmen who established the principles of the Free Enterprise System in English and popularized them in such a way that the world tries to copy them today.

The clique that was able to establish the World's Central Banks, because of its control of the World's Gold Supply, vainly bungles all of its activity to function in a world economy that is today dedicated to pursuing these Free Enterprise principles that were practiced by the Businessmen of those United (city-) States of Europe.

"Is there any hope for that Clique, that it will be able to figure out these principles, adapt to them, survive... etc.?"

No.

"Any hope for it?"

None.

"Why?"

Because, as you will now see, as you begin this Course, many centuries ago this very Clique was founded on the idea that it would one day take over the control of the World's Economy by organizing as a single-minded army around that false opinion on the nature of Human Language (which false opinion did seem on the ascent in that day) and upon which opinion they succeeded in organizing human society in such a way that they might seize control over the World's Gold Supply and, there through, control of the World's Economy.

To the extent that "single-minded army" is as locked onto that false opinion of the nature of human language today, that it has been through these many centuries leading up till this time, that single-minded army has been disintegrated as a society by the true principles of human language that we encounter on the pages of this Course, the principles of Natural Language Processing.

The World today has billions of dollars in its hands to pay to the people with the knowledge to Write the Rules of NLP, which will allow the people in the World Market to:

1. Improve the Rules for automatic word processing, in any way;

2. Improve the Rules, in any way, for Writing automatic Networking Software; and

3. Use the principles of NLP Rule Writing to expand the few Rules involved in the automatic word-processing software of a language to address the many Rules involved in automatic phrase-processing software.

If one understands the principles of NLP, which we encounter in this Course, then, in addition to using one's knowledge of these principles to Write the Rules for Automatic Word-processing Software, one can also Write the Rules for Automatic Phrase-processing Software. These two together are Automatic LANGUAGE Processing Software.

That is what the current demand is for: Automatic Language Processing.

This Course shows one the Principles that produced NLP. If one wants to be able to use these Principles to Write the NLP Rules for Automatic Language Processing Software, hopefully this Course will successfully introduce one to the procedure for doing that.

Those Rules are the NEW GOLD that the World Economy functions on today. This Course may teach one how to be a Craftsman of that New Gold.

If it does or it does not, you will still see how one functioned by these Principles in that ancient United States of Europe, the operating procedures of which are, theoretically, the way in which the World's Economy functions today.

As you will see, in the Book of Mormon they both explained human language by these Principles and organized their Society around them. The people who anciently organized the United States of Europe only organized Society around those Principles.

You may not learn how to make the World's New Gold by taking this Course, but it is felt that at least you will see how to be able to comfortably function in the Society that now operates on it.

The Spelling Used for the Word, "Gild"

A Dutch-English dictionary will tell us that the Dutch word, "gild" is spelled "guild," in English. So, the question arises, "Why do we use the Dutch spelling?"

We have just reviewed information concerning the "Dutch-speaking Businessmen" who operated the Free Enterprise System of Medieval Europe as a "United (city-) States of Europe." The people of England called these Businessmen, from these Cities to their "east," "the Easterlings." Their medieval name for their Organization was the Viking word, "the Hansa." And, Webster's Dictionary informs us that the word conventionally spelled, "guild," in English, comes from the "O(ld) N(orse)" word, "gildi." So, people may say that we are emphasizing historical origins with our spelling of this word as, "gild," instead of the other spelling.

In our Country that word, with that other spelling, is not used very much. One "guild," that is mentioned, once in a while, is the "Screen Actors Guild," of which President Ronald Reagan was its President, before he was elected the Governor of California. But the word is rather rare in the USA. It is used a lot in Britain. But, the "u" in that spelling that is used in Britain is what is used in Latin words, after a "g," to have it pronounced "g" (as in "go") before an "i," in Latin Languages. That spelling is a suggestion that that word — and therefore our Anglo-Saxon heritage of our Ancestral Free Enterprise System — is from a Latin origin, which it is not from, at all.