REMARKS BY SENATOR HUBERT H. HUMPHREY

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At the Grand Opening of the Grain Terminal

Heron Lake, Minnesota

"FACING THE FOOD CRISIS"

June 1, 1974

It is an honor and a privilege to participate with you in the dedication of this new grain elevator. An occasion such as this gives us all the opportunity to pause in gratitude for the great bounty of American agriculture.

The grain elevator symbolizes the level of development in our agriculture. Ours is a sophisticated system involving large numbers of supporting people beyond the five percent directly engaged in agriculture.

Because of our great agricultural productivity, many nations rely on our crops. We are the bread basket of the world. The evidence of this is almost overwhelming here in our agricultural heartland.

However, in spite of increasing prices for crops and despite rising demand, all is not well in American agriculture.

Price fluctuations have been particularly severe, with wheat dropping about \$2.50 per bushel in the last few months. Our farmers are rightfully confused as to what they can expect in the way of crop and cattle prices. How can a farmer plant or plan with any notion of what prices to expect?

On the other hand, while consumers continue to spend only about 16 percent of their take-home pay on food, they are increasingly expressing serious concern over rising prices on supermarket shelves.

After years of stable, bargain prices, the housewife is confused and led to participate in consumer boycotts. The Administration has contributed to this confusion by indicating that farmers are doing well, and prices should go down.

But, another user of farm produce, the farmer himself, has suffered severely. Increased grain prices have vastly increased the costs of producing beef and dairy cattle, hogs and poultry. Cattle producers have continued to lose money, and many have gone out of business.

The American farmer also is concerned and confused by the world agricultural scene.

In the Sahel, famine already has resulted in starvation for countless thousands. South Asia also faces a serious threat of famine. UNICEF estimates that as many as four to five hundred million people face the prospect of malnutrition.

This stark contrast between American plenty and starvation and malnutrition abroad should cause all of us to stop and reflect on our responsibilities. But, with the exception of Secretary of State Kissinger, this Administration has done little more to date than note the problem.

I have urged our Government to respond to this present emergency, and I am hopeful that it will respond, at least for the very practical reason that food shortages abroad can have serious adverse impacts on our own national interests.

We must, however, look beyond the present food crisis to deal with the causes. A long range strategy is needed to make the best possible use of our vast productive capacity. An agricultural policy is needed, and needed now, to define and rationalize our objectives. Having adequate food is a form of security which we have long taken for granted. Most nations have not had this security. But now the United States also faces the risk of limited food reserves.

Defining our agricultural policy objectives is, of course, of critical importance to other nations as well as to the United States.

In a future likely to be governed by scarcity rather than plenty, we must consider two main issues: First, how best can production be increased; and second, how do we utilize that production?

In looking at ways of increasing worldwide production, the first reaction would be to suggest copying the American system. But this is not a feasible choice because American argiculture is energy-intensive -- our food production requires major fuel and fertilizer supplies. While our production results have been truly phenomenal, the world cannot adopt this same form of production. The energy is just not available.

Thus, as we search for ways of dealing with growing food scarcity, new production methods must be discovered.

One approach is to find new sources of energy to produce fertilizer and to power agricultural equipment.

Another avenue - although a long term solution - is to uncover ways of minimizing the fertilizer required.

Soybeans do not require fertilizer. In fact they do not really respond to it. They "fix" their own nitrogen through bacteria which cling to the roots.

Research is being conducted to discover whether other crops can be induced to "fix" their own nitrogen. I and other Senators have urged a major increase in this research effort.

In American agriculture, we often expend five to ten calories of energy for each calorie of food product obtained. Primitive societies often obtained five to fifty calories for each calorie of energy expended.

With energy now at a premium, we will need to pay attention to the energy equation. We must find new methods to maximize agricultural output while conserving energy.

We must look to the developing world as the place with the greatest potential for increased agricultural production.

A few years ago, many people concluded that the "Green Revolution" would solve the food needs of developing countries. We have since learned that the "Green Revolution" is not feasible in many areas because of inadequate quantities of water, fertilizer and fuel.

But significant increases in crop production can be achieved by following improved agricultural practices and using better tools.

The developing countries also have an abundance of unemployed and underutilized labor which must be utilized to increase production and spur development.

Second, beyond taking steps to increase production, we must also consider how to achieve maximum benefit from that output.

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A food reserve can serve as a great stabilizing mechanism. Unfortunately, the United States severely depleted its stocks during the past year. America and the world have felt the effects in terms of rapid price fluctuations and a scramble by other nations to procure whatever was left.

A reserve program will help the United States meet its responsibilities to its own people and its export customers. It will also enable us to respond in emergency situations.

A world food reserve program is also needed. I urge the November World Food Conference to take up the proposal and establish such a program without delay.

World food reserves - which averaged around 187 million metric tons between 1961 and 1972 - are now at around 89 million tons. It is estimated that we are approaching a world reserve adequate for only three weeks. For some nations, this spells a serious danger of famine.

In addition to maintaining a reserve to temper radical price fluctuations and meet emergencies, we need to look at consumption and wastage.

In many countries primitive storage facilties and rodents cause a crop loss of at leat twenty-five percent.

In the developed countries, a great deal of food is wasted in processing and indirect consumption food products.

The eminent nutritionist, Jean Mayer, pointed up this fact, saying:

"The same amount of food that is feeding 210 million Americans would feed 1.5 billion Chinese on an average Chinese diet."

These two areas offer a challenge in terms of conserving food supplies. For the more affluent countries, a major moral issue is raised. The old adage of The Clean Plate is one that we should consider bringing back into fashion again.

A major long range issue we face in terms of the food utilization question is population expansion. The die - in terms of population growth - is already cast for most of the remainder of this century.

There is no simple panacea. But, we must begin to understand the problem if we are to begin to stabilize population growth in the future.

We can draw some useful conclusions from our own experience. People need to have a measure of security before they choose to have fewer children. This means security in terms of adequate food, health care, education and employment.

This security for people is not now present in much of the developing world. There are too many children with distended stomachs and broom-stick legs.

And we are also aware of parents who view grown sons as their only form of social security. To speak of family planning under these circumstances has almost no meaning.

There is no reason to be smug over our own low rate of population increase. We consume more resources, disturb the ecology more and create far more pollution than the earth's poor people.

I do not offer these ideas as a blueprint or an easy answer to the world food crisis. They will make an important contribution to getting at the basic causes.

My concern is that we not try to duck the problem. Public relations is no substitute for food.

Famine is already with us in parts of the world. And rapid population increases continue unabated.

Responding to this crisis is warranted on moral grounds. But it is also in our own self interest.

A chaotic world with one-half affluent and well fed will not long survive while the other half faces starvation and malnutrition.

We cannot expect to remain an island of prosperity surrounded by an ever growing sea of famine and despair.

The American people will respond positively and with generosity if they are given the facts. They need to see leadership which outlines the problem and, at the same time, proposes reasonable, realistic answers.

It is urgent that we move quickly to seize the initiative in dealing with this world food crisis without delay.

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REMARKS BY SENATOR HUBERT H. HUMPHREY

AT THE GRAND OPENING OF THE GRAIN TERMINAL

HERON LAKE, MINNESOTA

"FACING THE FOOD CRISIS"

JUNE 1, 1974

-1-IT IS AN HONOR AND A PRIVILEGE TO PARTICIPATE WITH ELEVATOR: AN OCCASION YOU IN THE DEDICATION OF THIS NEW GRAIN SUCH AS THIS GIVES US ALL THE OPPORTUNITY TO PAUSE IN GRATITUDE FOR THE GREAT BOUNTY OF AMERICAN AGRICULTURE N ELEVATOR SYMBOLIZES THE LEVEL OF DEVELOPMENT IN OUR AGRICULTURE. OURS IS A SOPHISTICATED SYSTEM INVOLVING LARGE NUMBERS OF SUPPORTING PEOPLE BEYOND THE FIVE PERCENT -d+Feber. DIRECTLY ENGAGED IN the ground BECAUSE OF OUR GREAT AGRICULTURAL PRODUCTIVITY, MANY NATIONS RELY ON OUR CROPS. WE ARE THE BREAD BASKET OF THE WORLD, THE EVIDENCE OF THIS IS ALMOST OVERWHELMING HERE IN OUR AGRICULTURAL HEARTLAND.

THE UNITED STATES, CANADA, AND AUSTRALIA REPRESENT THE MAJOR FOOD PRODUCING COUNTRIES IN THE WORLD. [JUST AS THE ARAB COUNTRIES OF THE MIDDLE EAST PRESENTLY REPRESENT THE SURPLUS AND RESERVE OF OIL, THE UNITED STATES, CANADA AND AUSTRALIA ARE THE MAJOR FOOD RESERVE PRODUCERS, The FOOD IS ESSENTIAL FOR LIFE FOOD IS POWER. FOOD IS A NEW CURRENCY MA WORLD OF EXPANDING POPULATION AND INCREASED DEMAND THE AMERICAN FARMER IS VITAL TO OUR NATIONAL SECURITY AND A MAJOR FIGURE IN THE HOPE FOR WORLD PEACE AND AMERICAN AGRICULTURE REPRESENTS THE MARGIN OF SAFETY AND SECURITY THAT THIS NATION NOW ENJOYS IN THIS TROUBLED WORLD,

WE HAVE ASKED OUR FARMERS TO EXPAND THEIR IT IS THE RESPONSIBILITY OF THAT SAME PRODUCTION GOVERNMENT THAT ASKS FARMERS TO PRODUCE MORE TO SHARE IN THE RISK THAT THIS EXPANDED PRODUCTION BRINGS WITH IT. THIS IS WHY THE FARM PROGRAM NEEDS TO BE UP-DATED. TARGET PRICES MUST BE RAISED THEY ARE TOO LOW IN VIEW OF PRESENT FARM OPERATING COSTS. PRESENT LOAN RATES ARE UNREALISTIC AND WOULD REPRESENT BANKRUPTCY FOR THE FARMER. THEREFORE, I PROPOSE THAT THE TARGET PRICE OF WHEAT BE RAISED FROM \$2.05 TO \$3.00 PER BUSHEL. CORN -- FROM \$1.38 TO \$2.00 A BUSHEL, AND THAT THE LOAN RATES BE NOT LESS THAN 2/3 OF THE TARGET PRICE. AND WHEN RESERVE STOCKS ARE LOW THAT THE LOAN RATE BE 90% OF THE TARGET PRICE. I FURTHER RECOMMEND THAT THERE BE 3 YEAR COMMODITY FARM LOANS PERMITTING

FARMERS TO SELL THEIR CROPS DURING PERIODS OF SCARCITY AND TO RETAIN THEM DURING PERIODS OF And a lot of the second second ABUNDANCE. THIS WOULD ASSURE THE FARMER OF A FAIR AND GOOD PRICE, AND THE CONSUMER AN ABUNDANT SUPPLY OF FOOD AND FIBER. FINALLY, OVER AND BEYOND THE NEW TARGET PRICES AND INCREASED_LOAN RATES, WE MUST ESTABLISH A NATIONAL FOOD RESERVE DESIGNED TO ASSURE THE FARMER OF A PROFIT ON HIS PRODUCTION - THE CONSUMER, AN ADEQUATE SUPPLY AT ALL TIMES --THE NATION, A SECURITY RESERVE IN CASE OF NEED AND THE EXPORTERS, A RELIABLE SUPPLY TO FULFILL CONTRACTS. LYES, THERE IS AN URGENT NEED FOR A NATIONAL FOOD POLICY. - Line

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-2-HOWEVER, IN SPITE OF INCREASING PRICES FOR CROPS AND DESPITE RISING DEMAND, ALL IS NOT WELL IN AMERICAN AGRICULTURAL. PRICE FLUCTUATIONS HAVE BEEN PARTICULARLY SEVERE, WITH WHEAT DROPPING ABOUT \$2.50 PER BUSHEL IN THE LAST FEW MONTHS OUR FARMERS D AS TO WHAT THEY CAN EXPECT IN THE WAY OF CROP AND CATTLE PRICES. OTION OF WHAT PRICES TO EXPECT? ON THE OTHER HAND, WHILE CONSUMERS CONTINUE TO SPEND ONLY ABOUT 16 PERCENT OF THEIR TAKE-HOME PAY ON FOOD, THEY ARE INCREASINGLY EXPRESSING SERIOUS CONCERN OVER SUPERMARKET SHELLING. AFTER YEARS OF STABLE, BARGAIN PRICES, THE HOUSEWIFE IS CONFUSED AND LED TO PARTICIPATE IN CONSUMER BOYCOTTS & THE ADMINISTRATION HAS CONTRIBUTED TO THIS CONFUSION BY INDICATING THAT FARMERS ARE DOING WELL, AND PRICES SHOULD GO DOWN.

-3-BUT ANOTHER USER OF FARM PRODUCE, THE FARMER HIMSELF, HAS SUFFERED SEVERELY. [INCREASED GRAIN PRICES HAVE VASTLY INCREASED THE COSTS OF PRODUCING BEEF AND DAIRY CATTLE, HOGS AND POULTRY. +469 CATTLE PRODUCERS HAVE CONTINUED TO LOSE MONEY, AND MANY HAVE GONE OUT OF BUSINESS. THE AMERICAN FARMER ALSO IS CONCERNED AND CONFUSED BY THE WORLD AGRICULTURAL SCENE. Africa , FAMINE ALREADY HAS RESULTED IN STARVATION FOR COUNTLESS THOUSANDS SOUTH ASIA ALSO FACES A SERIOUS THREAT OF FAMINE UNICEF ESTIMATES THAT AS MANY AS FOUR TO FIVE HUNDRED MILLION PEOPLE FACE THE PROSPECT OF MALNUTRITION Que to food

-4-THIS STARK CONTRAST BETWEEN AMERICAN PLENTY AND STARVATION

AND MALNUTRITION ABROAD SHOULD CAUSE ALL OF US TO STOP AND

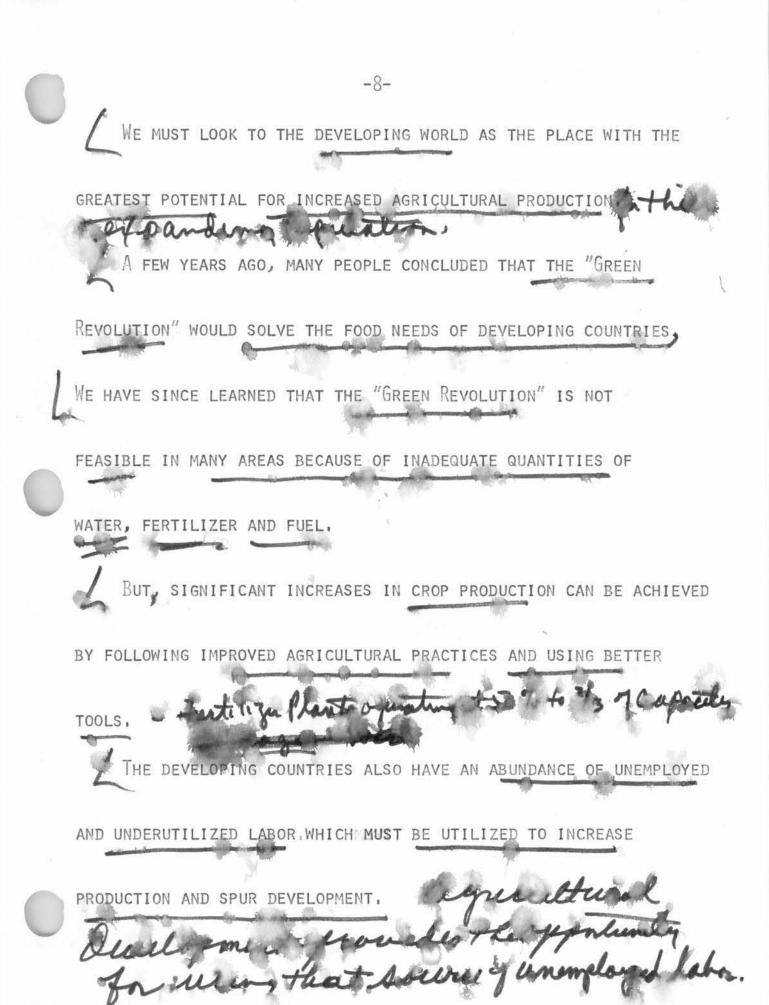
REFLECT ON OUR RESPONSIBILITIES.

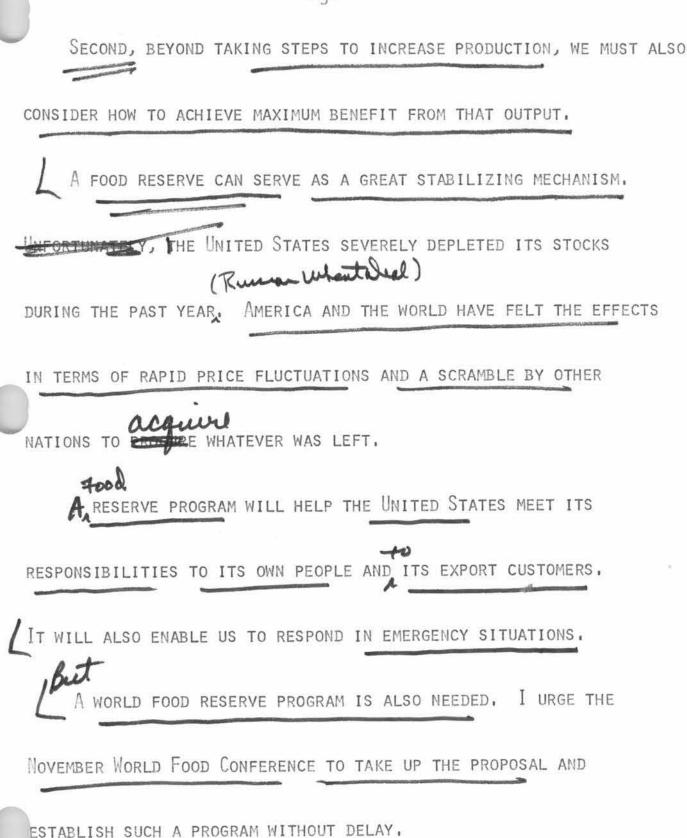
BUT, WITH THE EXCEPTION OF SECRETARY OF STATE KISSINGER, THIS ADMINISTRATION HAS DONE LITTLE MORE TO DATE THAN NOTE THE PROBLEM. HAVE URGED OUR GOVERNMENT TO RESPOND TO THIS PRESENT EMERGENCY, AND I AM HOPEFUL THAT IT WILL RESPOND, AT LEAST FOR THE VERY PRACTICAL REASON THAT FOOD SHORTAGES ABROAD CAN HAVE SERIOUS ADVERSE IMPACTS ON OUR OWN NATIONAL INTERESTS. We must, however, look beyond the present food crisis to Deal with the causes A long range strategy is needed to make THE BEST POSSIBLE USE OF OUR VAST PRODUCTIVE CAPACITY.

AN AGRICULTURAL POLICY IS NEEDED, AND NEEDED NOW, TO DEFINE AND RATIONALIZE OUR OBJECTIVES HAVING ADEQUATE FOOD IS A FORM OF SECURITY WHICH WE HAVE LONG TAKEN FOR GRANTED MOST NATIONS HAVE NOT HAD THIS SECURITY. BUT, NOW THE UNITED STATES ALSO FACES THE RISK OF LIMITED FOOD RESERVES. DEFINING OUR AGRICULTURAL POLICY OBJECTIVES IS, OF COURSE, OF CRITICAL IMPORTANCE TO OTHER NATIONS AS WELL AS TO THE UNITED STATES, IN A FUTURE LIKELY TO GOVERNED BY SCARCITY RATHER THAN PLENTY, WE MUST CONSIDER TWO MAIN ISSUES: FIRST, HOW BEST CAN PRODUCTION BE INCREASED; AND SECOND, HOW DO WE UTILIZE THAT PRODUCTION? IN LOOKING AT WAYS OF INCREASING WORLDWIDE PRODUCTION, THE FIRST REACTION WOULD BE TO SUGGEST COPYING THE AMERICAN SYSTEM.

-6-BUT, THIS IS NOT A FEASIBLE CHOICE BECAUSE AMERICAN ARGICULTURE IS ENERGY-INTENSIVE -- OUR FOOD PRODUCTION REQUIRES MAJOR FUEL AND FERTILIZER SUPPLIES. WHILE OUR PRODUCTION RESULTS HAVE BEEN WORLD CANNOT ADOPT THIS SAME FORM OF TRULY PHENOMENAL PRODUCTION. THE ENERGY IS JUST NOT AVAILABLE. AS WE SEARCH FOR WAYS OF DEALING WITH GROWING FOOD SCARCITY, NEW PRODUCTION METHODS MUST BE DISCOVERED. ONE APPROACH IS TO FIND NEW SOURCES OF ENERGY TO PRODUCE FERTILIZER AND TO POWER AGRICULTURAL EQUIPMENT. ANOTHER AVENUE - ALTHOUGH A LONG TERM SOLUTION - IS TO UNCOVER WAYS OF MINIMIZING THE FERTILIZER REQUIRED.

Josefample -7-
Soybeans do NOT REQUIRE FERTILIZER IN FACT THEY DO NOT
REALLY RESPOND TO IT. THEY "FIX" THEIR OWN NITROGEN THROUGH
BACTERIA WHICH CLING TO THE ROOTS, Chinese - amoun Sayban
RESEARCH IS BEING CONDUCTED TO DISCOVER WHETHER OTHER CROPS
CAN BE INDUCED TO "FIX" THEIR OWN NITROGEN. I AND OTHER SENATORS
HAVE URGED A MAJOR INCREASE IN THIS RESEARCH EFFORT.
IN AMERICAN AGRICULTURE, WE OFTEN EXPEND FIVE TO TEN
CALORIES OF ENERGY FOR EACH CALORIE OF FOOD PRODUCT OBTAINED.
PRIMITIVE SOCIETIES OFTEN OBTAINED FIVE TO FIFTY CALORIES FOR
EACH CALORIE OF ENERGY EXPENDED.
WITH ENERGY NOW AT A PREMIUM, WE WILL NEED TO PAY ATTENTION
TO THE ENERGY EQUATION . WE MUST FIND NEW METHODS TO MAXIMIZE
AGRICULTURAL OUTPUT WHILE CONSERVING ENERGY,





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World FOOD RESERVES - WHICH AVERAGED AROUND 187 MILLION METRIC TONS BETWEEN 1961 AND 1972 - ARE NOW AT AROUND 89 MILLION TONS IT IS ESTIMATED THAT WE ARE APPROACHING A WORLD RESERVE 21days ADEQUATE FOR ONLY THREE WEEKS. FOR SOME NATIONS, THIS SPELLS

A SERIOUS DANGER OF FAMINE.

LIN ADDITION TO MAINTAINING A RESERVE TO TEMPER RADICAL PRICE FLUCTUATIONS AND MEET EMERGENCIES, WE NEED TO LOOK AT CONSUMPTION

AND WASTAGE.

L IN MANY COUNTRIES PRIMITIVE STORAGE FACILTIES AND RODENTS

CAUSE A CROP LOSS OF AT LEAT TWENTY-FIVE PERCENT.

IN THE DEVELOPED COUNTRIES, A GREAT DEAL OF FOOD IS WASTED IN PROCESSING AND INDIRECT CONSUMPTION FOOD PRODUCTS. THE EMINENT NUTRITIONIST, JEAN MAYER, POINTED UP THIS FACT,

-11-"THE SAME AMOUNT OF FOOD THAT IS FEEDING 210 MILLION AMERICANS WOULD FEED 1.5 BILLION CHINESE ON AN AVERAGE CHINESE DIET." THESE TWO AREAS OFFER A CHALLENGE IN TERMS OF CONSERVING FOOD For the THE MELLET COUNTRIES, A MAJOR MORAL ISSUE IS RAISED. THE OLD ADAGE OF THE CLEAN PLATE IS ONE THAT WE SHOULD CONSIDER BRINGING BACK INTO FASHION AGAIN. MAJOR LONG RANGE ISSUE WE FACE IN HE DIE - IN TERMS OF POPULATION GROWTH - IS ALREADY CAST FOR MOST OF THE REMAINDER OF THIS CENTURY. THERE IS NO SIMPLE PANACEA. BUT, WE MUST BEGIN TO UNDERSTAND THE PROBLEM IF WE ARE TO BEGIN TO STABILIZE POPULATION GROWTH IN THE FUTURE.

WE CAN DRAW SOME USEFUL CONCLUSIONS FROM OUR OWN EXPERIENCE. PEOPLE NEED TO HAVE A MEASURE OF SECURITY BEFORE THEY CHOOSE TO HAVE FEWER CHILDREN . THIS MEANS SECURITY IN TERMS OF ADEQUATE FOOD, HEALTH CARE, EDUCATION AND EMPLOYMENT. L THIS SECURITY FOR PEOPLE IS NOT NOW PRESENT IN MUCH OF THE DEVELOPING WORLD. THERE ARE TOO MANY CHILDREN WITH DISTENDED STOMACHS AND BROOM-STICK LEGS. AND WE ARE ALSO AWARE OF PARENTS WHO VIEW GROWN SONS AS THEIR ONLY FORM OF SOCIAL SECURITY. TO SPEAK OF FAMILY PLANNING UNDER THESE CIRCUMSTANCES HAS ALMOST NO MEANING. THERE IS NO REASON TO BE SMUG OVER OUR OWN LOW RATE OF POPULATION INCREASE WE CONSUME MORE RESOURCES, DISTURB THE ECOLOGY MORE AND CREATE FAR MORE POLLUTION THAN THE EARTH'S

POOR PEOPLE.

LI DO NOT OFFER THESE IDEAS AS A BLUEPRINT OR AN EASY ANSWER

TO THE WORLD FOOD CRISIS. THEY WILL MAKE AN IMPORTANT CONTRIBUTION

TO GETTENO AT THE BASIC CAUSES.

My CONCERN IS THAT WE NOT TRY TO DUCK THE PROBLEM. PUBLIC

RELATIONS IS NO SUBSTITUTE FOR FOOD.

FAMINE IS ALREADY WITH US IN PARTS OF THE WORLD. AND RAPID

POPULATION INCREASES CONTINUE UNABATED,

RESPONDING TO THIS CRISIS IS WARRANTED ON MORAL GROUNDS.

BUT IT IS ALSO IN OUR OWN SELF INTEREST.

A CHAOTIC WORLD WITH ONE-HALF AFFLUENT AND WELL FED WILL

NOT LONG SURVIVE WHILE THE OTHER HALF FACES STARVATION AND

MALNUTRITION.

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-14-WE CANNOT EXPECT TO REMAIN AN ISLAND OF SURROUNDED BY AN EVER GROWING SEA OF FAMINE AND DESPAIR. THE AMERICAN PEOPLE WILL RESPOND POSITIVELY AND WITH GENEROUSITY IF THEY ARE GIVEN THE FACTS THEY NEED TO SEE LEADERSHIP WHICH OUTLINES THE PROBLEM AND, AT THE SAME TIME, PROPOSES REASONABLE, REALISTIC ANSWERS. IS URGENT THAT WE MOVE QUICKLY TO SEIZE THE INITIATIVE IN DEALING WITH THIS WORLD FOOD CRISIS

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