



N° 00311

00311

Centre National de la Documentation
Documentation et Statistique

CENTRE NATIONAL DE
DOCUMENTATION ET STATISTIQUE
TUNISIE

المركزية الوطنية
وزارة الفلاحة

المركز الوطني
للسنديان الفلاحي
تونس

F | 1

Afoul

PROCEEDINGS

THIRD REGIONAL WHEAT WORKSHOP

- * Durum Wheat Improvement
- * Weed Control
- * Crop Rotation with Annual
Forage Legumes
- * Seed

Tunis, Tunisia
April 30-May 1, 1979

CONTENTS

CHAPTER	TOPIC	PAGES
PART I. THEORETICAL FOUNDATIONS	1. Introduction	1-10
	2. Theoretical Foundations	11-18
PART II. PRACTICAL APPROACHES	3. Case Studies	19-24
	4. Practical Applications	25-30
PART III. CONCLUDING COMMENTS	5. Summary	31-36
	6. Future Directions	37-42
APPENDICES	7. Appendix A: Research Methods	43-50
	8. Appendix B: Sample Survey Results	51-58
REFERENCES	9. References	59-66
	10. Bibliography	67-74
NOTES	11. Notes	75-82
	12. Acknowledgments	83-86
ABOUT THE EDITOR	13. About the Author	87-90
	14. About the Book	91-94
ABOUT THE PUBLISHER	15. About the Publisher	95-98
	16. About the Series	99-102
ABOUT THE JOURNAL	17. About the Journal	103-106
	18. About the Editors	107-110

新編詩集上，我沒有選到這首詩。因為這首詩在詩歌史上，並非是第一次被選到詩集裏面，而是已經被選到過很多次了。

三、詩歌的藝術性

這首詩，從藝術的角度來看，有以下幾個特點：一、詩歌的意象非常鮮明，而且詩歌的意象非常具有詩意。詩歌的意象，就是詩歌中所描寫的事物，這些事物都是經過詩人精心選擇和組織的，具有獨特的藝術價值。詩歌的意象，可以是具體的，也可以是抽象的，但無論是具體還是抽象，都必須具有詩意，才能夠成為詩歌的意象。

二、詩歌的結構非常清晰，並且詩歌的結構非常具有詩意。詩歌的結構，就是詩歌的章節、段落、句式等的組織和安排。詩歌的結構，應該是清晰的，並且詩歌的結構，應該是具有詩意的。詩歌的結構，可以是簡單的，也可以是複雜的，但無論是簡單還是複雜，都必須具有詩意，才能夠成為詩歌的結構。

三、詩歌的語言非常優美，並且詩歌的語言非常具有詩意。詩歌的語言，就是詩歌的文字，這些文字都是經過詩人精心選擇和組織的，具有獨特的藝術價值。詩歌的語言，可以是簡單的，也可以是複雜的，但無論是簡單還是複雜，都必須具有詩意，才能夠成為詩歌的語言。

……

我常常想起你，想起你那双深邃的眼睛，想起你那高挺的鼻梁，想起你那柔美的微笑。你的形象深深地印在我的心中，成为我最美好的记忆。

你是一个非常优秀的人，你的品质和才华都让我敬佩。你总是那么自信、乐观、积极向上，无论遇到什么困难，你都能从容应对，从不轻易放弃。你的智慧和才能让我感到震撼，你的善良和温暖让我感到温暖。

你是我心中的偶像，也是我学习的榜样。我希望能像你一样，成为一个有价值、有担当、有爱心的人。

……

你是一个非常优秀的人，你的品质和才华都让我敬佩。你总是那么自信、乐观、积极向上，无论遇到什么困难，你都能从容应对，从不轻易放弃。你的智慧和才能让我感到震撼，你的善良和温暖让我感到温暖。

你是我心中的偶像，也是我学习的榜样。我希望能像你一样，成为一个有价值、有担当、有爱心的人。

……

你是一个非常优秀的人，你的品质和才华都让我敬佩。你总是那么自信、乐观、积极向上，无论遇到什么困难，你都能从容应对，从不轻易放弃。你的智慧和才能让我感到震撼，你的善良和温暖让我感到温暖。

你是我心中的偶像，也是我学习的榜样。我希望能像你一样，成为一个有价值、有担当、有爱心的人。

……

你是一个非常优秀的人，你的品质和才华都让我敬佩。你总是那么自信、乐观、积极向上，无论遇到什么困难，你都能从容应对，从不轻易放弃。你的智慧和才能让我感到震撼，你的善良和温暖让我感到温暖。

你是我心中的偶像，也是我学习的榜样。我希望能像你一样，成为一个有价值、有担当、有爱心的人。

……

你是一个非常优秀的人，你的品质和才华都让我敬佩。你总是那么自信、乐观、积极向上，无论遇到什么困难，你都能从容应对，从不轻易放弃。你的智慧和才能让我感到震撼，你的善良和温暖让我感到温暖。

你是我心中的偶像，也是我学习的榜样。我希望能像你一样，成为一个有价值、有担当、有爱心的人。

我常常在想，如果我能够像他们一样，每天都有时间去读书，那该多好啊！可是，我每天都要上学，还要做作业，没有时间去读书。但是，我可以在周末的时候，去图书馆借书，或者在家里读一些课外书。这样，我就可以有更多的知识，更好地学习。所以，我要珍惜时间，努力学习，将来成为一个有用的人。

在這段時間，我會繼續研究和學習，並努力將所學應用到實際工作中。

• 100 •

在青藏高原的东部地区，每年夏季风的风向变化对植被有重要影响。当夏季风从印度洋吹来时，湿润的气流会带来充沛的降水，从而促进植被的生长。然而，在某些年份，夏季风较弱，湿润气流难以深入内陆，导致降水量减少，植被生长受到限制。因此，植被生长与夏季风的强度密切相关。

the same conditions, the soils developed under these conditions on lower slopes and hills. These deep soils of mineral or cultural origin are found in the mallee. While the general soil situation throughout the region, many have a high salt or clay content and, at least in the dryland regions, organic matter and particularly available phosphate content is extremely low. Phosphate is also relatively less available and limiting in nitrogen. The heavy texture of many of the soils presents serious management problems. They may set hard when dry and bind when wet, and become sticky when wet. Soil crusts may be formed by salts in fissures and fissure lines, decreasing infiltration and erosion. Shallow soils, with limited available starting capacity, are also widespread.

Drainage, one of the major problems of the region gives a special problem to the establishment of suitable pasture or annual pasture legumes, although there are several possibilities. Because of their alkaline nature and heavy texture they are more liable to become saline than phosphate than tritium. In low rainfall areas, drainage soils with limited moisture holding capacity reduce chances of successful seed germination, particularly of shallow-rooted pasture plants. Further, the presence of calcium sulphate or other impervious layers in the soil profile, which may be man-made, may have a detrimental effect on seedling establishment and growth. Problems of impeded drainage and salinity, and their effects on seed germination, can, to some extent, be overcome by using resistant varieties adapted to these conditions (8). However, further research on methods of land reclamation may prove necessary.

Properties of bare surface and moniness also present difficulties in terms of the timing of the start of pasture establishment. Pasture legumes are generally slow to establish in adequately well-prepared, firm seedbeds for sowing time is important. Timing of sowing is extremely important. Machinery and agricultural practices used or available in the region is, for the most part, unsatisfactory or inadequate for proper and timely land preparation and sowing timing. Cultivators are not sufficiently rugged to deal with the heavy soils, rough topographies and rocky conditions. Depreciation of machinery is frequent and breakdowns are frequent. It is difficult to keep equipment in proper adjustment and working order. Carter (9) has suggested that some of the machinery designed for Australian conditions may be more suitable than that currently used. Particularly, the "stump-jump" principle should be incorporated in machinery designs, wheels should be large and robust and wide. There should also be a concerted effort to train operators in the efficient maintenance, adjustment and operation of their equipment.

A further problem, in so much of soils but of soil management, is the widespread practice of deep plowing. The success of a ley system based on the regeneration of annual legume species depends on the presence of adequate numbers of seed pods, of different ages, in the surface soil. When germination is adequate and moisture and temperature allow, seeds in these pods germinate preceding in natural regeneration of the pasture. A degree of dormancy and translocation prevent all seeds germinating at once, thus providing a built-in safeguard against losing the pasture under adverse condi-

base. The effects of such grazing is to limit below the base to a depth where no vegetation can grow or germinate in spring. The opportunity for regeneration is thus greatly reduced and the grassland is increasingly dominated. It is this process which is responsible for the extensive areas of bare ground found in semi-arid regions throughout the world.

The alternative of sheep grazing is probably to choose a technique of mixed cropping which is compatible with the existing vegetation. This approach has been adopted in Australia. Recent research has shown that the best method is to graze the existing pasture and to plant a cereal crop which is harvested before the grass seed is mature. Such a successful introduction of a new crop to the area is the result of a long period of liaison between the two communities. It is also the case that permanent settlements will provide a market for the grain. This is clearly the best solution for sheep and pasture alike. It will also assist in maintaining the existing herbage resources in the region for the future.

THE PRACTICAL USE OF SHEEP IN THE REGION

In general the sheep cannot save the entire region, cropping for grain production must continue, improved soil structure and improved land use techniques are essential. Increased availability and use of power has removed some of the difficulties, improvement of soils and productivity is continuing rapidly in many regions. In other areas, which have stabilized at low levels but remain under sheep production.

The use of sheep grazing is also having its effect on livestock production. Australian farmers are developing the sheepskin trade that could only be used for industrial purposes. Land used is available for grazing and, since there are few limits to the number of sheep for intensive grazing, sheep pastoral grazing could be adopted more easily. The quantity and quality of mutton produced is increasing rapidly and this gives a better return from sheep than before. The cost of rearing sheep has risen with crop production, but with that of livestock and meat, cutting expenses on the major products is reduced. Possibilities for increased income and production may exist in breeding areas.

In this regard it is essential that more attention is given to the region for sheep. The advantage of the lighter relation to the region lies in the possibility of bringing cattle to those less favourable and less fertile areas for grazing, using all-purpose equipment, which makes use of winter and spring grazing and the factors in the moisture in the soil profile is entirely dependent.

In general terms, the advantages are obvious. Use would be made of ungrazed fallow land. Soil organic matter and structure would be improved leading to higher soil productivity, lower drought requirements, less

and water. Land ownership is central to economic well-being, and inheritance is passed on from parents to children through the male line. In many rural families, particularly among the Berbers, there is little or no division of land between brothers, and inheritance is passed on through the female line. In addition, there is no formal equality between men and women in law or custom, and women are often denied inheritance rights. In some cases, a woman's right to inherit may be legally recognized but she may still be denied inheritance rights by her husband or other family members.

Land distribution in Jordan

In 1981 the agricultural area in Jordan was 1.6 million ha, equivalent to 40% of the total land area. The agricultural area has been increasing at an average rate of 1.5% per annum since 1970. This increase has been achieved mainly through the expansion of irrigated areas, which have increased from 100,000 ha in 1970 to over 200,000 ha in 1981. This expansion has been achieved mainly through the construction of dams and reservoirs, which have increased from 100 ha in 1970 to over 10,000 ha in 1981. The main reservoirs are located in the northern part of the country, particularly in the Hauran plain, where they provide irrigation for the northern agricultural areas. The main reservoirs are located in the northern part of the country, particularly in the Hauran plain, where they provide irrigation for the northern agricultural areas. The main reservoirs are located in the northern part of the country, particularly in the Hauran plain, where they provide irrigation for the northern agricultural areas.

Today, the agricultural economy is based mainly on irrigation, which is used to grow a variety of crops, mainly wheat, barley, cotton, sugar beet, fruit and vegetables, and some cash crops such as cotton and tobacco. A significant amount of agricultural land is used for grazing, mainly sheep and goats, which are raised for meat and wool. The majority of the land is owned by small farmers, who are mostly organized into cooperatives and associations, which are mainly located in the northern part of the country. These cooperatives are mainly organized into associations of small farmers, who are mainly located in the northern part of the country. These cooperatives are mainly organized into associations of small farmers, who are mainly located in the northern part of the country. These cooperatives are mainly organized into associations of small farmers, who are mainly located in the northern part of the country.

The distribution of agricultural land in Jordan is highly unequal, with 40% of the land owned by less than 10% of the population, while 40% of the land is owned by more than 40% of the population. In contrast, in the rest of the region, the distribution of land is more equal, with 20% of the land owned by less than 10% of the population, while 40% of the land is owned by more than 40% of the population. This is reflected in the distribution of land ownership between the different regions of the country, where the highest concentration of land ownership is found in the northern part of the country, while the lowest concentration is found in the southern part of the country.

that the work of the government and the people has been put into this town. The city has done well, and we hope that the people will continue to support their government.

The early days of this administration were not very successful, but they have improved. The city has done well, and we hope that the people will continue to support their government. We have had many difficulties, but they have been overcome. The city has done well, and we hope that the people will continue to support their government. We have had many difficulties, but they have been overcome. The city has done well, and we hope that the people will continue to support their government.

The early days of this administration were not very successful, but they have improved. The city has done well, and we hope that the people will continue to support their government. We have had many difficulties, but they have been overcome. The city has done well, and we hope that the people will continue to support their government. We have had many difficulties, but they have been overcome. The city has done well, and we hope that the people will continue to support their government. We have had many difficulties, but they have been overcome. The city has done well, and we hope that the people will continue to support their government. We have had many difficulties, but they have been overcome. The city has done well, and we hope that the people will continue to support their government. We have had many difficulties, but they have been overcome. The city has done well, and we hope that the people will continue to support their government. We have had many difficulties, but they have been overcome. The city has done well, and we hope that the people will continue to support their government.

As I said earlier, this is a good time to talk about our country's future.

Our country is facing some serious problems right now. The economy is not doing well, and there is a lot of poverty. The government is not doing enough to help people. There are also some political issues that need to be addressed. Some of the challenges of the

the improvement system. A better and more constant plane of nutrition is essential for efficient, high level production. There is, therefore, considerable incentive for progressive management practices to make the animal production system more efficient and to take advantage of the extra feed potential.

5. INTEGRATED FARMING

The broad estimates given in this paper of the feasibility and economics of a dry system of farming for dryfarming areas of the region are conservative. As usual, the figures can be questioned and, as more detailed research and more knowledge increases, inaccuracy will surface. At this stage, however, these estimates serve not only to draw attention to the general productive potential of the system but also to point to the steps to be taken - which will take place within a reasonable timeframe - for this potential to be realized. However, national level averages do not mean much to individual farmers, particularly those who farm areas where climate is variable and unreliable, yields low and uncertain, risks high and incomes low. The questions, therefore, are: Is a system of integrated crop-livestock production feasible within the farm structure and organization as found in the region? If so, how feasible; and what will be the benefits for individual producers?

Studies from Australia show that increases in the productive capacity of arid zone farms are, in many cases, spectacular. Comprehensive studies by various State Govt., in many cases, spectacular. Comprehensive studies by various State Govts. show improvements including pasture improvement, erosion control, sound conservation and proper rotations have led to trebling of crop yields while simultaneously doubling stock carrying capacity. Income per head may triple but more stable income and risks are spread among crops and livestock enterprises. But farm structure in Australia is radically different from that found in this region, as table 12 shows. The average Australian wheat-sheep grower farms a total of about 1,000 ha, largely arid land, his basically, and runs a flock of some 2,000 sheep. His operation is capital intensive and highly mechanized. The output per unit of labour is high.

In this region, holdings are predominantly small, fragmented and often geographically so built a way that improvement in mechanization, drainage, erosion control, etc., are impracticable. Access to inputs is often limited. The majority of farmers are still at, or little above, subsistence level. Crop and livestock production have been traditionally separated. Yet, although this separation has often been increased as a limitation, the Turkomans in particular, originally pastoralists, have adopted settled agriculture to a considerable extent, and there are other examples. Some of the socioeconomic implications of introducing an integrated crop-livestock system under such conditions were dealt with in an earlier paper (12). At least in the short term, if significant social changes will have to be acceptable in the existing patterns

的。但這並不是說，我們應該完全放棄對這些問題的研究。因為在這些問題上，我們已經有了一定的進步，而且在某些方面，我們已經取得了相當的成績。但這些成績是不能滿足我們的，因為我們還需要進一步的研究。所以，我們應該繼續研究這些問題，並在研究中不斷地取得新的進步。

在研究這些問題時，我們應該採取怎樣的方法呢？我個人認為，應該採取以下的方法：首先，我們要仔細地研究已有的資料，並在研究中不斷地發現問題。其次，我們要仔細地研究現象，並在研究中不斷地發現問題。最後，我們要仔細地研究問題，並在研究中不斷地發現問題。這樣，我們就可以在研究中不斷地取得新的進步。

在研究這些問題時，我們應該採取怎樣的方法呢？我個人認為，應該採取以下的方法：首先，我們要仔細地研究已有的資料，並在研究中不斷地發現問題。其次，我們要仔細地研究現象，並在研究中不斷地發現問題。最後，我們要仔細地研究問題，並在研究中不斷地發現問題。這樣，我們就可以在研究中不斷地取得新的進步。

在研究這些問題時，我們應該採取怎樣的方法呢？我個人認為，應該採取以下的方法：首先，我們要仔細地研究已有的資料，並在研究中不斷地發現問題。其次，我們要仔細地研究現象，並在研究中不斷地發現問題。最後，我們要仔細地研究問題，並在研究中不斷地發現問題。這樣，我們就可以在研究中不斷地取得新的進步。

BIBLIOGRAPHY

1. COMITE'S Annual Report, Algeria 1971-72, 2pp.
2. COMITE'S Annual Report, Tunisia 1971-72, 2pp.
3. Directorate of Statistics, The Hashemite Kingdom of Jordan, 1973, Agricultural Statistical Yearbook and Agricultural Sample Survey.
4. Ministry of Agriculture, The Hashemite Kingdom of Jordan, 1974, Report on Agricultural Training - A Working Paper, Amman.
5. Proceedings of the First Fertilizer and Wheat Workshop, Lebanon, February 1973, 1973.
6. Proceedings of the Second Regional Wheat Workshop, Turkey, May 1973, 1973.
7. FAO, FAO, UNDP, UNICEF, Major and Small Irrigation, 1973, Technical Cooperation Programme in United Order for Countries of the Near East Region, A.I.D.-The Ford Foundation, Beirut.
8. CLEPHAM, R. H. and A. J. WILSON, 1968, The Wheat industry in Australia, Africa and America, Sydney, 48pp.
9. COOPER, E. D. 1977, The Potential for Increasing Cereal and Livestock Production in Algeria, Comite International de Mejoramiento de Maiz y Trigo, Mexico City, 16p.
10. COOPER, E. D. 1978, Principles of Crop Rotation, N.Z. Institute of Agroforestry Ltd., Pape.
11. COOPER, E. D. 1978, The Integration of Cereals, Pastures and Sheep in the Agriculture of Southern Australia, Regional Workshop for Sheep and Forage Production, A.I.D.-The Ford Foundation, Beirut.
12. COOPER, E. D. 1978, Notes on the Introduction of a Ley-Farming System for Integrated Cereal-Livestock Production in Rained Areas of the Tropics. Regional Workshop for Sheep and Forage Production, A.I.D.-The Ford Foundation, Beirut.
13. COOPER, E. D. 1978, Farming Systems in the Mediterranean Region, Proc. Workshop on Farming Systems, ICRISAT, Hyderabad.
14. COOPER, E. D., CLEMENT, C. R. and A. J. HEARD, 1960, Soil Nitrogen Status of Lays and Subsequent Wheat Yields, Proc. Eighth Int. Grassland Congress.

REFERENCES

1. CENMET Annual Report, Algeria 1972-73, 21p.
2. CENMET Progress Report, Tunisia 1973-74, 80p.
3. Department of Statistics, The Hashemite Kingdom of Jordan, 1973, Agriculture Statistical Yearbook and Agricultural Sample Survey.
4. Ministry of Agriculture, The Hashemite Kingdom of Jordan, 1974, Report on Agricultural Land - A Working Paper, Amman.
5. Proceedings of the First Regional Wheat Workshop, Lebanon, February 16-17, 1973.
6. Proceedings of the Second Regional Wheat Workshop, Turkey, May 8-11, 1974.
7. Research Center, Turkey, Mafaz and Sami Naftali, 1973, Selected Agricultural Statistics in Ranked Order for Countries of the Near East Region. ALAD-The Ford Foundation, Beirut.
8. Chisholm, R. H. and A. J. Willingdon, 1966, The Wheat Industry in Australia, Angus and Robertson, Sydney, 686p.
9. Carter, D. E., 1973, The Potential for Increasing Cereal and Livestock Production in Algeria, Centro International de Mejoramiento de Maiz and Trigo, Mexico City, 6ap.
10. Carter, D. E., 1974, Principles of Crop Rotation, N.Z. Institute of Agricultural Sci. Proc.
11. Coopercrop, Peter R., 1974, The Integration of Cereals, Pastures and Sheep in the Agriculture of Southern Australia, Regional Workshop for Sheep and Forage Production, ALAD-The Ford Foundation, Beirut.
12. Lawrence, D. W., 1974, Notes on the Introduction of a Ley-Farming System for Integrated Cereal-Livestock Production in Rainfed Areas of the Middle East, Regional Workshop for Sheep and Forage Production, ALAD-The Ford Foundation, Beirut.
13. Lawrence, D. W., 1974, Farming Systems in the Mediterranean Region, Proc. Workshop on Farming Systems, ICRISAT, Hyderabad.
14. Williams, T. S., Clement, C. R. and A. J. Heard, 1960, Soil Nitrogen Status of Lays and Subsequent Wheat Yields, Proc. Eighth Int. Grassland Congress,

an intervention. Such changes will determine how we can collaborate with the needs of individuals across a wide range of backgrounds and interests. In addition, we must ensure that the interest of the different sectors in our community are kept up to date on our work. This will help us to maintain our credibility and trustworthiness.

Communication skills are just as crucial as technical knowledge. We must be able to convey complex ideas in a clear and concise manner, as well as listen effectively. This means being open to different perspectives, like it or not. Communication is key to the collaboration of different stakeholders and our success. We must always strive to be transparent in our processes and our work. By doing this, we can build trust and credibility. Additionally, our actions and decisions must reflect the values of our community, such as respect, equality, and responsibility. We must be careful not to let politics or personal agendas influence our work, as this can lead to conflicts and divisions. Instead, we should focus on the common goals and objectives of our community, and work together towards them.

The future of our community lies in our ability to work together and embrace diversity. This requires open-mindedness, empathy, and a commitment to social justice. We must be willing to learn from others, even those who have different beliefs and backgrounds. This means embracing our differences and finding common ground. It also means being aware of the challenges and barriers we face, and working together to overcome them. By doing this, we can create a more inclusive and equitable society. This is not an easy task, but it is essential for "resilience" in our community, which requires us to be adaptable, responsive, and innovative. We must be prepared to face challenges and setbacks, and find ways to overcome them. This means being resilient, both physically and emotionally. Resilience is not just about surviving, but about thriving. It means having the strength and determination to keep moving forward, even in difficult times. By doing this, we can build a better future for ourselves and our community. This is our mission, our purpose, our calling. Let us work together to achieve it.

The resilience of our community lies in the relationships and support of the members, both old and young. By coming together and sharing our experiences, we can learn from each other and grow stronger. This is the foundation of our community, and it is what makes us unique. By working together, we can achieve great things. We can create a better world for everyone, and leave a legacy for future generations. This is our responsibility, our duty, our mission. We must be true to our values, and live up to our expectations. We must be honest, transparent, and accountable. We must be responsive to the needs of our community, and work towards a better future. By doing this, we can build a better world for ourselves and our community. This is our mission, our purpose, our calling. Let us work together to achieve it.

the *Leucostoma*. This condition is not unusual save in the association with the *Leucostoma* or *Leptothrix* which are often associated with *Leptothrix* and *Leucostoma*. In *Leucostoma* there is no evidence of the leucostoma element in the *Leucostoma* or *Leptothrix* which are often associated with *Leptothrix* and *Leucostoma*. The *Leucostoma* may be

在這段時間，我開始對中國文化有更深入的了解。我讀了許多古典文學作品，如《水滸傳》、《西遊記》、《紅樓夢》等，這些書籍讓我對中國歷史和社會有了更深的認識。我也開始學習中文，並嘗試用中文寫作。這段時間，我還去了中國旅行，親身體驗了中國的文化風情。這些經歷讓我對中國文化有了更深刻的感悟。

我从书架上取下一本《中国古典文学名著》。我打开书，看到里面的内容，我被深深地吸引住了。我开始一页一页地翻阅，每一页都充满了知识和智慧。我仿佛置身于那个遥远的时代，与那些伟大的作家们一起探讨他们的作品。我被书中的人物形象所打动，被他们的情感所感染。我开始理解到，文学不仅仅是文字的堆砌，更是情感的表达，是思想的传递。我开始更加热爱文学，更加珍惜每一本好书。

of production. Such changes will therefore have to be compatible with the needs of producers within largely subsistence agricultural and pastoral enterprises. A different strategy will be needed for the lesser number of specialized commercial producers in larger holdings who, nonetheless, may represent quite a large proportion of the area in question. The most rapid progress could probably be made with the latter group.

Surprisingly little is yet known about existing production systems, particularly animal husbandry and rangeland. If knowledge of existing farming systems is incomplete, even less is known about the animal producer. Like in the past, the average farm size will be one of flock owned per household enterprise as in Brazil. There appears to be a skew in the distribution of animals with, in every case, the largest number of animals being owned by a small percentage of the total households. Apparently the number of men in the households will have an important bearing on flock size since most of the work is done by men. Many flocks are too small even for subsistence, in which case animals must be kept especially as屏障 and, where possible, carry out some additional cropping.

To obtain a more efficient integration of livestock enterprises with agriculture, a more detailed and complete picture of occupation and utilization of range and rangeland croplands is needed. Ownership and management of these areas to be established, for these could have an important bearing on the stability in which animal and crop production could most effectively be integrated. Such enterprises will be necessary to utilize rangeland and to keep numbers of animals down and should be "settled" in arable areas. The basis for this should be carefully established taking into account economic entrepreneurial structure. It is possible that cooperatives or other organizations could be used to assist in regulating grazing and feed supplies, and thus the individual crop and livestock products. Inasmuch as crop production enterprises can easily be corporate enterprises, such organization could be used to assist in integration involving corporate or multiple ownership. Such organizations are strongest in the initial phases of establishing the system, and should support further integration to gradually move in later stages.

The major problem identified in the adoption and spread of the system, and, despite much interest by all users in the region at all levels, is the lack of scientific research from extended working with country programs at the community level. In national programs, only a handful of scientists are available with expertise in the program, and a few have received specialized training. The Latin American Agricultural Development (ALAD) Program has gathered the basic scientific information necessary for planning change. Scientists, extension agents and administrators alike need to know more about farm operations, especially the complex working process at the farmers' level. It will take time, but the broad principles presented in this paper into reality.

REFERENCES

1. CEMET Annual Report, Algeria 1972-73, 27p.
2. CEMET Progress Report, Tunisia 1972-73, 80p.
3. Department of Statistics, The Hashemite Kingdom of Jordan, 1973, Agricultural Statistical Yearbook and Agricultural Sample Survey.
4. Ministry of Agriculture, The Hashemite Kingdom of Jordan, 1974, Report on Agricultural Planning - A Working Paper, Amman.
5. Proceedings of the First Regional Wheat Workshop, Lebanon, February 14-19, 1973.
6. Proceedings of the Second Regional Wheat Workshop, Turkey, May 8-13, 1974.
7. Arsalik, Ghanem, Ghazal, Majid and Sami Rashed, 1973, Selected Agricultural Statistics in Ranked Order for Countries of the Near East Region, ALAD-The Ford Foundation, Beirut.
8. Collingham, E. H. and A. J. Willingdon, 1966, The Wheat Industry in Australia, Angus and Robertson, Sydney, 68p.
9. Lister, E. D., 1972, The Potential for Increasing Cereal and Livestock Production in Algeria, Centro International de Mejoramiento de Maiz and Trigo, Irapuato City, 80p.
10. Lister, E. D., 1974, Principles of Crop Rotation, N.Z. Institute of Agri-cultural Sci., 37pp.
11. O'Connor, Peter E., 1974, The Integration of Cereals, Pastures and Sheep in the Agriculture of Southern Australia, Regional Workshop for Sheep and Forage Production, ALAD-The Ford Foundation, Beirut.
12. Lawrence, D. M., 1974, Notes on the Introduction of a Ley-Farming System for Integrated Cereal-Livestock Production in Rainfed Areas of the Middle East, Regional Workshop for Sheep and Forage Production, ALAD-The Ford Foundation, Beirut.
13. Lawrence, D. M., 1974, Farming Systems in the Mediterranean Region, Proc. Workshops on Farming Systems, ICARDA, Hyderabad.
14. Williams, T. S., Clement, C. R. and A. J. Heard, 1960, Soil Nitrogen Status at Lays and Subsequent Wheat Yields, Proc. Eighth Int. Grassland Congress.

Table I. Years of Mammal Species After Capture (not yet seen)

1960-1962	20.2
1963-1965	22.1
1966-1968	22.7

Source: T. E. Wilson, "The value of large lemur collections."

卷之三		總			序	
序	名	卷之三	卷之四	卷之五	卷之六	卷之七
一	卷之三	一	二	三	四	五
二	卷之四	二	三	四	五	六
三	卷之五	三	四	五	六	七
四	卷之六	四	五	六	七	八
五	卷之七	五	六	七	八	九
六	卷之八	六	七	八	九	十

卷之三

卷之四

卷之五

卷之六

卷之七

卷之八

第十一章 水文地质学与水文地球化学

卷	页数	行数	总字数	单行字数
卷一	1-10	10	1000	100
卷二	11-20	10	1000	100
卷三	21-30	10	1000	100
卷四	31-40	10	1000	100
卷五	41-50	10	1000	100
卷六	51-60	10	1000	100
卷七	61-70	10	1000	100
卷八	71-80	10	1000	100
卷九	81-90	10	1000	100
卷十	91-100	10	1000	100
卷十一	101-110	10	1000	100
卷十二	111-120	10	1000	100
卷十三	121-130	10	1000	100
卷十四	131-140	10	1000	100
卷十五	141-150	10	1000	100
卷十六	151-160	10	1000	100
卷十七	161-170	10	1000	100
卷十八	171-180	10	1000	100
卷十九	181-190	10	1000	100
卷二十	191-200	10	1000	100
卷二十一	201-210	10	1000	100
卷二十二	211-220	10	1000	100
卷二十三	221-230	10	1000	100
卷二十四	231-240	10	1000	100
卷二十五	241-250	10	1000	100
卷二十六	251-260	10	1000	100
卷二十七	261-270	10	1000	100
卷二十八	271-280	10	1000	100
卷二十九	281-290	10	1000	100
卷三十	291-300	10	1000	100
卷三十一	301-310	10	1000	100
卷三十二	311-320	10	1000	100
卷三十三	321-330	10	1000	100
卷三十四	331-340	10	1000	100
卷三十五	341-350	10	1000	100
卷三十六	351-360	10	1000	100
卷三十七	361-370	10	1000	100
卷三十八	371-380	10	1000	100
卷三十九	381-390	10	1000	100
卷四十	391-400	10	1000	100
卷四十一	401-410	10	1000	100
卷四十二	411-420	10	1000	100
卷四十三	421-430	10	1000	100
卷四十四	431-440	10	1000	100
卷四十五	441-450	10	1000	100
卷四十六	451-460	10	1000	100
卷四十七	461-470	10	1000	100
卷四十八	471-480	10	1000	100
卷四十九	481-490	10	1000	100
卷五十	491-500	10	1000	100
卷五十一	501-510	10	1000	100
卷五十二	511-520	10	1000	100
卷五十三	521-530	10	1000	100
卷五十四	531-540	10	1000	100
卷五十五	541-550	10	1000	100
卷五十六	551-560	10	1000	100
卷五十七	561-570	10	1000	100
卷五十八	571-580	10	1000	100
卷五十九	581-590	10	1000	100
卷六十	591-600	10	1000	100
卷六十一	601-610	10	1000	100
卷六十二	611-620	10	1000	100
卷六十三	621-630	10	1000	100
卷六十四	631-640	10	1000	100
卷六十五	641-650	10	1000	100
卷六十六	651-660	10	1000	100
卷六十七	661-670	10	1000	100
卷六十八	671-680	10	1000	100
卷六十九	681-690	10	1000	100
卷七十	691-700	10	1000	100
卷七十一	701-710	10	1000	100
卷七十二	711-720	10	1000	100
卷七十三	721-730	10	1000	100
卷七十四	731-740	10	1000	100
卷七十五	741-750	10	1000	100
卷七十六	751-760	10	1000	100
卷七十七	761-770	10	1000	100
卷七十八	771-780	10	1000	100
卷七十九	781-790	10	1000	100
卷八十	791-800	10	1000	100
卷八十一	801-810	10	1000	100
卷八十二	811-820	10	1000	100
卷八十三	821-830	10	1000	100
卷八十四	831-840	10	1000	100
卷八十五	841-850	10	1000	100
卷八十六	851-860	10	1000	100
卷八十七	861-870	10	1000	100
卷八十八	871-880	10	1000	100
卷八十九	881-890	10	1000	100
卷九十	891-900	10	1000	100
卷九十一	901-910	10	1000	100
卷九十二	911-920	10	1000	100
卷九十三	921-930	10	1000	100
卷九十四	931-940	10	1000	100
卷九十五	941-950	10	1000	100
卷九十六	951-960	10	1000	100
卷九十七	961-970	10	1000	100
卷九十八	971-980	10	1000	100
卷九十九	981-990	10	1000	100
卷一百	991-1000	10	1000	100

但說到這裏，我真想哭。我真想哭。我真想哭。

Summer Camp, 3-10 1972 The participants from 37 different countries will be joined by

Table 1. Comparison of some physical properties of some of the best known

品种	产地	性状
金丝雀	山西、河南	球形，果皮紫红色
红玫瑰	山西、河南	球形，果皮深红色
白玫瑰	山西、河南	球形，果皮白色
白玉	山西、河南	球形，果皮白色
白玉	山西、河南	球形，果皮白色

品种名称：金丝雀，红玫瑰，白玫瑰，白玉。

产地：山西、河南。特征：球形，果皮紫红色，深红色，白色。

卷之三	卷之三	卷之三
卷之三	卷之三	卷之三

卷之三
卷之三
卷之三

1. 有機物 有機物質	2. 無機物 無機物質	3. 混合物 混合物質	4. 調和物 調和物質	5. 溶液 溶液質	6. 酸 酸性	7. 碱 鹼性	8. 盐 鹽	9. 氧化物 氧化物質	10. 金屬 金屬質
1. 有機物 有機物質	2. 無機物 無機物質	3. 混合物 混合物質	4. 調和物 調和物質	5. 溶液 溶液質	6. 酸 酸性	7. 碱 鹼性	8. 盐 鹽	9. 氧化物 氧化物質	10. 金屬 金屬質
1. 有機物 有機物質	2. 無機物 無機物質	3. 混合物 混合物質	4. 調和物 調和物質	5. 溶液 溶液質	6. 酸 酸性	7. 碱 鹼性	8. 盐 鹽	9. 氧化物 氧化物質	10. 金屬 金屬質
1. 有機物 有機物質	2. 無機物 無機物質	3. 混合物 混合物質	4. 調和物 調和物質	5. 溶液 溶液質	6. 酸 酸性	7. 碱 鹼性	8. 盐 鹽	9. 氧化物 氧化物質	10. 金屬 金屬質
1. 有機物 有機物質	2. 無機物 無機物質	3. 混合物 混合物質	4. 調和物 調和物質	5. 溶液 溶液質	6. 酸 酸性	7. 碱 鹼性	8. 盐 鹽	9. 氧化物 氧化物質	10. 金屬 金屬質

1. 有機物
有機物質
2. 無機物
無機物質
3. 混合物
混合物質
4. 調和物
調和物質
5. 溶液
溶液質
6. 酸
酸性
7. 碱
鹼性
8. 盐
鹽
9. 氧化物
氧化物質
10. 金屬
金屬質

Table 7

Distribution of tuberculosis patients in selected countries of the
WHO European Region by age and sex and of foreign visitors in Europe
as a percentage of total cases

Country	Total population aged over 15	Estimated new and repeated cases of TB	Total estimated number fixed by public authorities over 15	Aged 15 to 69, percentage of total 1987/88 population
Belgium	5,110	4,500	3,800	74.2
Denmark	2.4, 330.0	220	22, 100	12.6
Finland	2.3, 330.0	250	2, 300	6
Germany	2.3, 330.0	2, 300	27, 800	17.7
Iceland	0.0, 330.0	20	47, 400	33.0
Ireland	1.8, 330.0	200	20, 500	11.2
Norway	0.6, 330.0	—	172, 700	11.0

Source: UN, World Health Organization and WHO Statistical Yearbook

序号	名称	规格	数量
1	1#铁丝	每捆50米	100捆
2	2#铁丝	每捆50米	100捆
3	3#铁丝	每捆50米	100捆
4	4#铁丝	每捆50米	100捆
5	5#铁丝	每捆50米	100捆
6	6#铁丝	每捆50米	100捆
7	7#铁丝	每捆50米	100捆
8	8#铁丝	每捆50米	100捆
9	9#铁丝	每捆50米	100捆
10	10#铁丝	每捆50米	100捆
11	11#铁丝	每捆50米	100捆
12	12#铁丝	每捆50米	100捆
13	13#铁丝	每捆50米	100捆
14	14#铁丝	每捆50米	100捆
15	15#铁丝	每捆50米	100捆
16	16#铁丝	每捆50米	100捆
17	17#铁丝	每捆50米	100捆
18	18#铁丝	每捆50米	100捆
19	19#铁丝	每捆50米	100捆
20	20#铁丝	每捆50米	100捆
21	21#铁丝	每捆50米	100捆
22	22#铁丝	每捆50米	100捆
23	23#铁丝	每捆50米	100捆
24	24#铁丝	每捆50米	100捆
25	25#铁丝	每捆50米	100捆
26	26#铁丝	每捆50米	100捆
27	27#铁丝	每捆50米	100捆
28	28#铁丝	每捆50米	100捆
29	29#铁丝	每捆50米	100捆
30	30#铁丝	每捆50米	100捆
31	31#铁丝	每捆50米	100捆
32	32#铁丝	每捆50米	100捆
33	33#铁丝	每捆50米	100捆
34	34#铁丝	每捆50米	100捆
35	35#铁丝	每捆50米	100捆
36	36#铁丝	每捆50米	100捆
37	37#铁丝	每捆50米	100捆
38	38#铁丝	每捆50米	100捆
39	39#铁丝	每捆50米	100捆
40	40#铁丝	每捆50米	100捆
41	41#铁丝	每捆50米	100捆
42	42#铁丝	每捆50米	100捆
43	43#铁丝	每捆50米	100捆
44	44#铁丝	每捆50米	100捆
45	45#铁丝	每捆50米	100捆
46	46#铁丝	每捆50米	100捆
47	47#铁丝	每捆50米	100捆
48	48#铁丝	每捆50米	100捆
49	49#铁丝	每捆50米	100捆
50	50#铁丝	每捆50米	100捆
51	51#铁丝	每捆50米	100捆
52	52#铁丝	每捆50米	100捆
53	53#铁丝	每捆50米	100捆
54	54#铁丝	每捆50米	100捆
55	55#铁丝	每捆50米	100捆
56	56#铁丝	每捆50米	100捆
57	57#铁丝	每捆50米	100捆
58	58#铁丝	每捆50米	100捆
59	59#铁丝	每捆50米	100捆
60	60#铁丝	每捆50米	100捆
61	61#铁丝	每捆50米	100捆
62	62#铁丝	每捆50米	100捆
63	63#铁丝	每捆50米	100捆
64	64#铁丝	每捆50米	100捆
65	65#铁丝	每捆50米	100捆
66	66#铁丝	每捆50米	100捆
67	67#铁丝	每捆50米	100捆
68	68#铁丝	每捆50米	100捆
69	69#铁丝	每捆50米	100捆
70	70#铁丝	每捆50米	100捆
71	71#铁丝	每捆50米	100捆
72	72#铁丝	每捆50米	100捆
73	73#铁丝	每捆50米	100捆
74	74#铁丝	每捆50米	100捆
75	75#铁丝	每捆50米	100捆
76	76#铁丝	每捆50米	100捆
77	77#铁丝	每捆50米	100捆
78	78#铁丝	每捆50米	100捆
79	79#铁丝	每捆50米	100捆
80	80#铁丝	每捆50米	100捆
81	81#铁丝	每捆50米	100捆
82	82#铁丝	每捆50米	100捆
83	83#铁丝	每捆50米	100捆
84	84#铁丝	每捆50米	100捆
85	85#铁丝	每捆50米	100捆
86	86#铁丝	每捆50米	100捆
87	87#铁丝	每捆50米	100捆
88	88#铁丝	每捆50米	100捆
89	89#铁丝	每捆50米	100捆
90	90#铁丝	每捆50米	100捆
91	91#铁丝	每捆50米	100捆
92	92#铁丝	每捆50米	100捆
93	93#铁丝	每捆50米	100捆
94	94#铁丝	每捆50米	100捆
95	95#铁丝	每捆50米	100捆
96	96#铁丝	每捆50米	100捆
97	97#铁丝	每捆50米	100捆
98	98#铁丝	每捆50米	100捆
99	99#铁丝	每捆50米	100捆
100	100#铁丝	每捆50米	100捆

注：此表由甲方提供，乙方根据此表进行施工，如发现有漏项或有误，乙方有权提出修改意见。

说明：此表由甲方提供，乙方根据此表进行施工，如发现有漏项或有误，乙方有权提出修改意见。

173

植物志

引种地与产地		栽培与用途		形态特征		花果期与花被片数		生物学特性		分布与习性	
科名	属名	品种	株型	茎叶	花序	花被片数	花被片数	花被片数	花被片数	花被片数	花被片数
Rubiaceae	Psychotria	黄背铁苋菜	灌木	单叶互生，革质，有锯齿	顶生或腋生聚伞花序	5	5	5	5	3	3
Rubiaceae	Psychotria	紫花铁苋菜	灌木	单叶互生，革质，有锯齿	顶生或腋生聚伞花序	5	5	5	5	3	3
Rubiaceae	Psychotria	紫脉铁苋菜	灌木	单叶互生，革质，有锯齿	顶生或腋生聚伞花序	5	5	5	5	3	3
Rubiaceae	Psychotria	铁苋菜	灌木	单叶互生，革质，有锯齿	顶生或腋生聚伞花序	5	5	5	5	3	3
Rubiaceae	Psychotria	铁苋菜	灌木	单叶互生，革质，有锯齿	顶生或腋生聚伞花序	5	5	5	5	3	3
Rubiaceae	Psychotria	紫花铁苋菜	灌木	单叶互生，革质，有锯齿	顶生或腋生聚伞花序	5	5	5	5	3	3
Rubiaceae	Psychotria	紫花铁苋菜	灌木	单叶互生，革质，有锯齿	顶生或腋生聚伞花序	5	5	5	5	3	3
Rubiaceae	Psychotria	紫脉铁苋菜	灌木	单叶互生，革质，有锯齿	顶生或腋生聚伞花序	5	5	5	5	3	3
Rubiaceae	Psychotria	紫脉铁苋菜	灌木	单叶互生，革质，有锯齿	顶生或腋生聚伞花序	5	5	5	5	3	3

产地：印度尼西亚爪哇、中南半島、印度。

174

Table 18 Consumption of phosphate fertilizers in selected countries in 1950-51.

Country	Total consumption tonnes of P ₂ O ₅	Consumption per ha cultivated tonnes ha ⁻¹ of P ₂ O ₅
Australia	3,000	3.1
Canada	12,500	2.3
U.S.S.R.	12,000	57.0
United States	36,000	6.6
United Kingdom	12,000	7.4
France	24,000	6.8
Total	137,000	

Source: United Nations Economic Commission for Europe.

Schenk 111. 布拉格植物园的植物学标本，包括新发现的物种和变种。

Schenk 112. 布拉格植物园的植物学标本。

◎ 植物学标本	Botanische Sammlung Prag. 112. 1876.
254222-23	23, 1876.
1. 花旗木	1. 红花木
2. 马来亚木	2. 红花木
3. 红花木	3. 红花木
4. 红花木	4. 红花木
5. 红花木	5. 红花木
6. 红花木	6. 红花木
7. 红花木	7. 红花木
8. 红花木	8. 红花木
9. 红花木	9. 红花木
10. 红花木	10. 红花木
11. 红花木	11. 红花木
12. 红花木	12. 红花木
13. 红花木	13. 红花木
14. 红花木	14. 红花木
15. 红花木	15. 红花木
16. 红花木	16. 红花木
17. 红花木	17. 红花木
18. 红花木	18. 红花木
19. 红花木	19. 红花木
20. 红花木	20. 红花木
21. 红花木	21. 红花木
22. 红花木	22. 红花木
23. 红花木	23. 红花木
24. 红花木	24. 红花木
25. 红花木	25. 红花木
26. 红花木	26. 红花木
27. 红花木	27. 红花木
28. 红花木	28. 红花木
29. 红花木	29. 红花木
30. 红花木	30. 红花木
31. 红花木	31. 红花木
32. 红花木	32. 红花木
33. 红花木	33. 红花木
34. 红花木	34. 红花木
35. 红花木	35. 红花木
36. 红花木	36. 红花木
37. 红花木	37. 红花木
38. 红花木	38. 红花木
39. 红花木	39. 红花木
40. 红花木	40. 红花木
41. 红花木	41. 红花木
42. 红花木	42. 红花木
43. 红花木	43. 红花木
44. 红花木	44. 红花木
45. 红花木	45. 红花木
46. 红花木	46. 红花木
47. 红花木	47. 红花木

* Schenk 111. 布拉格植物园的植物学标本，包括新发现的物种和变种。

Schenk 112. 布拉格植物园的植物学标本。December 1876.

200

L'APPRENTISSAGE DES LANGUES ET LA MÉTHODE DE TRAVAIL EN CLASSES ET EN
SÉANCES D'EXERCICE ET D'ENTRAÎNEMENT DANS LES FAÇONS DE MONTRÉAL ET
LEURS DIFFÉRENCES

PAR J. L. GAGNON, LL.D.

MÉDAILLÉ DU QUÉBEC

(CONTINUATION)

Les méthodes d'apprentissage des langues évoquées dans les précédentes pages sont celles qui sont utilisées dans les séances de travail et de perfectionnement des élèves. Ces méthodes sont généralement appliquées à l'enseignement de l'anglais et de l'espagnol, mais elles sont également utilisées pour l'enseignement de la grammaire et de la conjugaison de la langue française. Ces méthodes sont très populaires au Canada, mais elles sont également utilisées dans les écoles primaires et secondaires et dans les universités canadiennes.

Les méthodes d'apprentissage des langues évoquées dans les précédentes pages sont celles qui sont utilisées dans les séances de travail et de perfectionnement des élèves dans les écoles primaires et secondaires et dans les universités canadiennes.

Les méthodes d'apprentissage des langues évoquées dans les précédentes pages sont celles qui sont utilisées dans les séances de travail et de perfectionnement des élèves dans les écoles primaires et secondaires et dans les universités canadiennes. Ces méthodes sont généralement appliquées à l'enseignement de l'anglais et de l'espagnol, mais elles sont également utilisées pour l'enseignement de la grammaire et de la conjugaison de la langue française. Ces méthodes sont très populaires au Canada, mais elles sont également utilisées dans les écoles primaires et secondaires et dans les universités canadiennes.

Les méthodes d'apprentissage des langues évoquées dans les précédentes pages sont celles qui sont utilisées dans les séances de travail et de perfectionnement des élèves dans les écoles primaires et secondaires et dans les universités canadiennes. Ces méthodes sont généralement appliquées à l'enseignement de l'anglais et de l'espagnol, mais elles sont également utilisées pour l'enseignement de la grammaire et de la conjugaison de la langue française. Ces méthodes sont très populaires au Canada, mais elles sont également utilisées dans les écoles primaires et secondaires et dans les universités canadiennes.

在這裏，我們可以說，這就是「中國化」的「新儒學」。這就是「中國化」的「新儒學」。

20

FIN

31

VUES