



世界高科技發展公司
WORLD TECHNOLOGY DEVELOPMENT INC.

1490 GREAT PLAIN AVENUE • NEEDHAM, MASSACHUSETTS 02192
TELEPHONE 617-444-5939 • FAX 617-449-1549

Oct 22, 1996

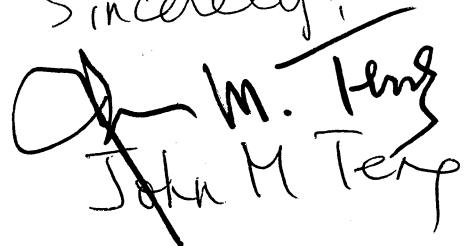
Dear Mayor Russell,

It is my pleasure to write this letter to you. I have been living in United State thirty years. I am a resident of Needham over twenty years. I just come back from China two months visiting there. The city of Zaozhuang Mayor Mr. Wong let me search a sister city in Boston area. My first choice is city of Cambridge because they have culture, education, technology and business community. Can be trading partners in the future.

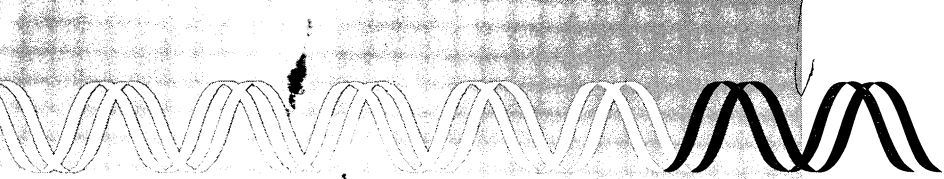
Zaozhuang in my Birth place. I hope Mayor give a serious consideration for sister city. I will be very much appreciated.

Enclosed Zaozhuang City information book for you to review. If you have any questions please do not hesitate to contact me or meet with you in your convenient.

Sincerely,


John M. Teng

P.S. computer break down. Sorry!



MILLENNIUM PHARMACEUTICALS, INC.

November 7, 1996

Mayor Sheila Doyle-Russell
City Hall, City of Cambridge
795 Massachusetts Avenue
Cambridge, MA 02139

RE: Anqing City, China as a sister city of the City of Cambridge

Dear Mayor Sheila Doyle-Russell:

I am writing to solicit your support of Dr. Xiping Xu's request for formally designating Anqing, China as a sister city of the city of Cambridge. Dr. Xu has been a scientific collaborator of Millennium Pharmaceuticals, Inc., since our founding three years ago. The collaborations have involved several scientific studies which have served to advance the scientific community's understanding of certain diseases. We believe a sister city arrangement between Anqing and Cambridge holds the promise of enhancing information exchange and good will among all involved and thus would be mutually beneficial to the residents of both cities.

Sincerely,

Mark Levin, Chief Executive Officer
Millennium Pharmaceuticals, Inc.

ML/phj

X 103



OFFICE OF THE MAYOR

CITY HALL, CAMBRIDGE, MASSACHUSETTS 02139

(617) 349-4321

Fax (617) 349-4287

Sheila Doyle Russell
Mayor

OFFICE OF CITY CLERK
NOV 21 AM 11:22
CAMBRIDGE MA.

November 19, 1996

TO: Margaret Drury, City Clerk
FROM: Sheila Doyle Russell, Mayor *SPR*
RE: **Communication Regarding Anqing Sister-City Proposal**

Attached please two documents to be communicated to the City Council sister-city sub-committee.

1. A letter from Mark Levin, CEO of Millennium Pharmaceuticals, Inc. in support of the proposed sister-city relationship with Anqing, China.
2. A letter from John M. Teng of Needham regarding the City of Zaozhuang, China.

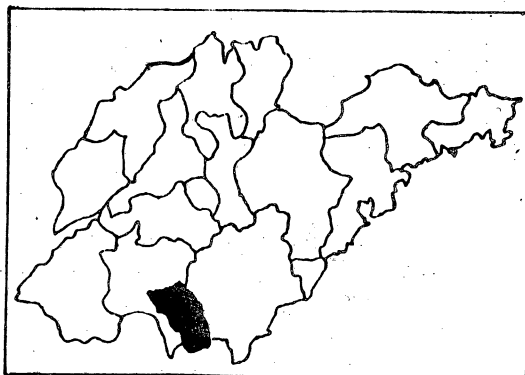
As you know, the request for consideration of a sister-city relationship with Anqing, China was referred to the sister-city committee under City Council Order #37 of the October 21, 1996 meeting.

If there are any questions or comments about this issue, please contact my Chief of Staff David R. Goode.

CAMBRIDGE MA.
NOV 21 AM 11:22
RECEIVED BY
OFFICE OF CITY CLERK

**ZAOZHUANG CITY
DEVELOPING
IN THE OPENING AND REFORMING**

1996



**EDITED BY FOREIGN AFFAIRS OFFICE OF
ZAOZHUANG MUNICIPAL PEOPLE'S GOVERNMENT
SHANDONG PROVINCE. P. R. CHINA**

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Brief Introduction of Zaozhuang City

1. Location and natures

Established in 1961, Zaozhuang City is the city under the direct jurisdiction of Shandong Province, located in the southern part of the province, with its east latitude from $116^{\circ}48'30''$ to $117^{\circ}49'24''$ and north longitude from $34^{\circ}27'48''$ to $35^{\circ}15'12''$. The City is close to the coastal on the east and neighbouring with Weishan Lake on the west, bordering Xuzhou City of Jiangsu Province on the south and linking with native towns of Confucius, Qufu and Zhoucheng in the north. The whole region is 4,450 square kilometres, covering 2.97% of Shandong Province by its length of 96 kilometres from the east to the west and width of 56 kilometres from the east to the west. Of the whole area, the hills covers around 42%, plains 48% and lowland 10%. The City enjoys its warm wheather belonging to the continental climate of monsoon in north temperate zone. Its dominant winds are from the east or the northeast, average temperatures of the year is 13.9°C and precipitation reaches 816 mm, over 2,380 hours' sunshine keeps 55% of illumination rate every year, the frost-free season accounts for over 200 days. The distinct seasons turn with the simultaneity of heat and rain.

The whole city has 5 districts and 1 city (county level) under its administrations, there are totally 85 towns, 3,227 natural villages and 3,097 administrative villages. The population of the city is 3.36 millions including 61.6% of people in the cities and towns, the density of population per square kilometre is 732 people, the non-agricultural population is 544,000, taking 16.3% of the total, 230,000 people live in the central town.

2. Agriculture, forestry and animal husbandry

Zaozhuang is one of important agriculture developing areas by its flourishing farming. By 1995, the output value of agriculture was totally 4.55 billion yuan, including output value of farming 2.45 billion yuan, 160 million yuan of forestry, 1.75 billion yuan of animal husbandry and 90 million yuan of fishery. In 1995, the total growing area was 189,607 hectares, gross yield of grain was 1.708 million tons, 508 kilogram per capita each year. Of the total, it consists of wheat 750,000 thousand tons, corn 667,000 tons and dried sweet—potato pieces 208,000 tons.

For many years, we have been properly expanding the growing areas for economic crops based on the steady production of grain. In 1995, we got in cotton 21,000 tons, the production of tobacco leaves, fiber and oil crops have also been improved to some extent, now the ratio of the grain to the economic crops is 5.5 : 4.5.

Now the forested area in the region is 1.326 million mu, 0.4 mu per capita; the output of aquatic products industry is 128,000 tons; the total output of meat is 167,200 tons, 50 kilograms per capita for each year. We have topped in our province for occupancy of eggs and milk. In 1995 the total number of pigs in stock is 829,100 head, cattle 156,000 head, and sheep 1,985,000 head, total of livestocks in stock were 16.68 millions and rabbits was 3,485,000 head.

3. Industries

The economy in the city has been greatly improved since the opening and reform, so far we enjoy the complete industrial system and full ranges of industries, regarding energy, textile, chemical, building materials, foodstuff, manufacturing and electronics as the "six pillar" industries, we gained many leading positions in production of coal, gypsum, cement, ferroally, pow-

er, calcium, and local chemical fertilizer.

By the end of 1995, we had 1,650 enterprises in total above the town level, including 241 of state—run, 1,075 of collectives and 331 of joint ventures, contracted cooperation and foreign enterprises. Of overall enterprises, 765 for light industries and 850 for heavy, the proportion of light to heavy is 43 : 57.

We created the output value of industries in the city 26 billion yuan in 1995, the major products were 15.5 million tons of coal, 5.8 million tons of cement, 4.5 million tons of gypsum, 4.4 billion kw/h of generating power, 31,000 tons of yarn and 91 million metres of cloth and so on.

(1)Chemical industry

There are 81 chemical works which produced the value of 950 million yuan in our city, in the past few years, we have explored the full use of local rich resources of coal, especially promoted the growth of coal chemical industry and concentrated on the large and medium sized key projects. We have completed the project of No. 1 National Texco Gasfication Project, the project of 1.4— butylene glycol of 1,000—ton grade, the project of 150,000—ton mathanol approved by our National Gasfication Research Centre, and the 520,000—ton urea project. With the completion of these projects, Zaozhuang will be the important base for coal chemical in Shandong Province, as well as the base in China in the next century according to the estimation.

(2)Building material industry

There are 254 independent accounting enterprises for production of building materials , which reach the output value of 1.93 billion yuan, the main products are cement, gypsum; flat glass, sanitary ceramics, decorating needs and wall materials, all these products have exported to other areas besides the satification of local needs.

(3)Energy

In the city there are 135 enterprises involved in coal production, and 6 for power — generating. In 1995 the total output of coal was 15 million tons, generating 4.4 billion kw/h, the output value was 2.53 billion yuan, covering 22.6% of value among the independent accounting enterprises. The consumption of energy is not only for local use, but also for exporting.

(4)Textile

There exist 74 textile mills in the city, including 20 garment factories who create the production value around 1.25 billion yuan, now we have ring spinning 200,000 spindles, 50% of jute fined spindles 5,000, 50% of fined wool 2,500 spindles and coarse ones 3,950 spindles. The annual capacity of weaving is 80 million metres including denim cloth 24 million metres. We have 19 sets of jet — looms, shuttleless loom 300 sets and ordinary ones 3,000 sets. The other four dyeing and printing lines can dye the cloth 80 million metres per year. The rapid progress was also made in silk production, we have silk threads 7,600 and an annual capacity of 2.85 million metres long.

(5)Manufacturing and electronics

There are 136 enterprises engaged in manufacturing and electronics whose output value is 108.8 million yuan, covering 9.7% of total industry output value, the major products are the ordinary lathes and precision computerized lathes made by Lunan Lathe Manufactory, the U/F shapes of deflected magnetic cores by Zaozhuang Magnetic Factory, motors and cables produced by Tongyong Manufacturing Factory.

(6)Foodstuff

The city has 59 of food processing factories, 43 of foodstuff making factories, 23 of soft drink factories and one cigarette factory. The production value of 2.74 billion yuan was by 125 facto-

ries in 1993, covering 20.4% of total industry output value. The key products are 70,000 tons of soft drinks, 36,000 tons of food-stuff, 16,000 tons of meat products, 8,500 tons of canned food including liquor of tortoise, Zhongren, lickrice and pearl which are the special products from our city.

(7) Tannery and some other industries

In the recent years, the steady growth has been made in tannery industry, now the capacity of production is 500,000 pieces of animal skins, including sheep skin 500,000 (4—5 pieces convert to 1 piece of hide), hides 200,000 pieces and some proportion of pigs' skin. The local utilization of processed hide covers 20% of total, the rest are for exporting. We have 50 toys factories whose annual output is 15.86 million pieces, 12.36 million pieces are exported.

4. Science and education

The flourishing promotion of education has greatly input the energy to the causes of economy development in the city, now we have 12 independent natural science units, 68 of various associations and communities, 3,500 students are studying at 5 colleges. There are 10 of professional and specialised training schools with 12,300 students in it, 195 junior and senior middle schools are holding 138,500 students, 1,311 primary schools are attended by 326,900 pupils; in the city we have 53,500 personals as the different technicians and engineers, covering 17.1% of total of working labour. Now we have enjoyed the 9—year compulsory education, the enrollment rate for colleges and universities in 1995 was 73.15%; we have passed the inspection in elimination illiteracy by Provincial Education Commission. In the past years, we have promoted the progress of science and technology by following the principle of "Developing Zaozhuang by Science", so the economy development was extremely enhanced by the improvement of

science and the quality of labour. According to the statistics, we have achieved scientific fruit 737 items in the past ten years, 59 items was honoured as the national and provincial progress award and 555 items utilized in working, the proportion of science and technology in development of economy is 40%.

5. Medical causes

More than ten years after the opening and reform, the administrative government at different level have collected efficient funds for improvement of medical organizations and equipment installation, the total space for medical use has reached 706,000 square metres, the fixed asset is 160 million yuan, there are 759 pieces of heavy equipments whose value is over 10,000 yuan by each, comparing to that in 1978, it has been raised 1.5 and 3 folds respectively.

Now the medical organization has been expanded to 438 places, and hospital bed 9,420, medical staffs are 11,543 person, increased 47.5%, 78.2% and 94.2% respectively comparing with that in 1978, every 1,000 people occupied 2.79 of hospital bed, and 3.42 of medical staff in service, all these figures are higher than that of provincial standard. The newly — built Za-zhuang Hospital with an investment of 25 million yuan was ratified in 1993 as the first class hospital in the third grade in our country and reputed as the Lunan Pearl. The reform of medical work in rural area ranks the leading position in our province. In the short period of 10 years, we have collected investment of 37 million yuan for perfection of medical infrastructures in rural area since the management of township medical centres in rural areas were transferred to the local government, Tengzhou City, Xuecheng District and Shizhong district have respectively passed the exams and inspections by National Medical Ministry and Provincial Medical Department, they have also reached primary

medical standards released by our country. The medical network of three levels has been greatly enhanced and solidified. According to the statistics, there are 3,001 clinics in the administrative villages, township doctors have increased to 4,067 people.

6. Culture and sports

Zaozhuang has 7 cultural bureaus, among them there are 1 municipal bureau and 6 district bureaus. Under their jurisdiction, there are 7 cultural and artistic centres, 7 public libraries, 3 museums, 90 county cultural centers, 2,085 cultural compounds, 7 film projection companies, 223 film projection teams, 3 art—performing groups, 6 specialized theatres, 8 cinemas, 22 clubs, 51 rural cinemas. At present, Zaozhuang maintains 700 full—time cultural staffs and 6,000 part—time cultural staffs, and among the full—time staffs, 32 have senior professional posts, 92 middle professional posts and 192 junior professional posts, and more than 6,000 of key members for art—performing.

There are 9 cultural markets for performance entertainment, arts, video, historical relics, films, magazines, commercial libraries and art training, external culture exchange as well. According to the statistics, the consumers that enjoy the daily cultural entertainment activities up to 80,000. The annual operation value of the cultural markets is about 60 million yuan, the tax and profit is 3 million yuan.

In 1995, we had magnificent achievement in arts creation and performing during the "International Children Art Exhibition" run by the Ministry of Culture, three children from our city was honoured with awards. The song "The Yellow River in My Heart" was awarded the prize of "Qunxing" by the Ministry of Culture. Tengzhou County was ranked as "National Advanced County" in culture, In Shandong Golden Suona Horn Competition", our city won 16 prizes. A modern Liuqin Opera

named "Niang Jia Ren (people from maternal home)" won 10 prizes in the "Liuqin Opera Theatre Festival" held by Jiangsu, Shandong, Henan and Anhui Provinces, the modern Liuqin Opera, "Poemgranite Valley" won four prizes in "The Fifth Shandong Art Festival".

In the recent years, sports undertakings in our city has achieved rapid success along with reform and opening, the mass sports is extensively developed. A rough count shown that 90% of Zaozhuang population, that is up to 2.8 million people, regularly engaged in physical exercises. The skills of competitive sports improved quickly. Since 1990, Zaozhuang athletes won 12 international golds, one person broke one world record. The municipal government has invested 130 million yuan to build a multi-functioned sports center. These efforts laid a solid foundation for the sports review of the municipal as a whole.

7. Press

In recent years, our city's press and publications have made rapid progress. At present, there are four formal newspapers approved by the Press and Publication Administration, "Zaozhuang Daily", "Tengzhou Daily", "Zaozhuang Broadcasting and Television Weekly" and "Zaozhuang Teachers' College Journal" in which "Zaozhuang Daily" has a circulation of 62,000 in nation wide; "Tengzhou daily" has a circulation of 23,000 "Zaozhuang Teachers' College Journal" is a quarterly, which has a circulation of 2,000. In addition, there are many restricted publications, such as Zaozhuang Public Security, Zaozhuang Miners', Lunan Cement, Zaozhuang Propaganda, Zaozhuang Coal Science and Technology, Times, Baodu (holding calf), Zaozhuang Party School, Zaozhuang Social Science and so on. In which, Zaozhuang Public Security and Zaozhuang Miners' has a circulation of 30,000 and 10,000 respectively, Times and Baodu are quarter-

ly and bimonthly respectively, they enjoy a circulation of 5,000 and 2,000 respectively.

By now, there are 7 municipal or district television stations, transmitting and relaying stations, and 25 television transmitters with a capacity of over 50w by each, the total power is 28 kw. They can transmit the programmes by the central of China, provincial, municipal and county television stations', with a covering of 87 percent of local population. There are 9 municipal or district broadcasting stations, 31 radio transmitters with a capacity of over 50w by each, the total power is 43 kw, they can transmit the programs by central of China, provincial, municipal and county radio broadcasting stations, with a covering 86.8% of local population. At present, local television stations have made 52 columns and broadcasting for 19 hours every day. In recent years, Zaozhuang TV Station and Radio Broadcasting Station have 300 programmes broadcasted respectively by central of China station and provincial station each year. In the last three years, 180 programmes were awarded with prizes of Provincial Excellent Television Programmes. In 1994, Zaozhuang TV Station has 7 special topics programmes transmitted by Panda and Yellow River TV Stations of the United States respectively.

In addition, we have set up 7 cable TV stations at district level, 9 broadcasting and television common cable transmitting networks, we also have erected 70 kms main lines with 100,000 terminal customers, 20 channels and 21 sets of programmes. And now, we are making the fiber optic network. The key parts of equipments in this project are imported, the system has the characteristics of advanced technology, wide — frequency band and much information and with the multi—functioned of transmitting in dual way, exchanging various data information, connecting computer networks, faximile, TV press, visible telephone, and

etc. The cable TV fiber optic network is the fundation of information express highway in 21st century.

8. Commerce

Since the reform and opening to the outside, rapid progress has been made in the commerce of Zaozhuang. By now, there are 7 enterprises and institutions with over 100 department stores and 5 wholesale markets under its jurisdiction. 20,000 workers and staffs create a fixed assets of 820 million yuan, and 1.6 billion yuan of business income. There are 10 shopping centers with the each area over 10,000 square metres, situated in golden sectors of business areas, are the backbone enterprises of Zaozhuang and Tengzhou. In recent years, our city's wholesale, retail and hotel services developed rapidly. Zaozhuang Commerce Limited Company is a large sized comprehensive stock enterprise, which intergrate with wholesale, retail, hotel and taxi service. An annual business income of this company is 450 million yuan. It is evaluated as one of 300 biggest stock enterprises of China by State System Reform Committee, State Economic and Trade Committee and State Statistics Bureau.

By now this company has set up stable business relations with 2,000 industrial and business enterprises in the country, also has made general sale and agency business for 400 famous and high quality goods. The commodity sells to 140 cities and counties inside and outside the province. The sales outside the city takes 50% of total sales volume.

9. Tourism

Zaozhuang city is an important part of ancient Qi and Lu Kingdom. The long history and beautiful natural environment endowed Zaozhuang City with ancient culture relics and rich tourism resources.

The pomegranate orchard, 15 kms long and 2 kms wide, is

located in the south of Tanshan near Zaoxue Economic Zone. It covers an area of 10,000 mu (667ha) with over 300,000 pomegranate trees. The orchard enjoys the great reputation of the biggest pomegranate orchard in the world. In summer the red pomegranate flowers look like fire and in autumn, rich fruits are hung on the branches of the trees. There are several scenic spots in the garden, such as Qingtan Temple, Yiwang Pavillion, Garden in Orchard, Quanfei Tomb ect. The trees with thick leaves and fantastic branches looks like natural potted landscape.

Bao Dugu (also called holding calf mountain), locating 20 kms northeast of Zaoxue Economic Zone, is one of 72 famous mountains in Yimeng mountainous district. It's 580 metres above the sea level with towering crags and beautiful scenery. At the foot of the mountain is the ruins of Qinghua Temple, around the middle of the mountains, there are more than 10 holes, down the cliff and the holes there still exist some stone caving figure of Buddha. There are two pools on the top of the mountain. The water is calm and clear all year around, there are many kinds of valuable trees in the mountain, of them are alangiums, hornbeams and tassels ect.

Zhoucun reservoir is situated at the foot of mountain. It covers a large area with clear water. Indeed it is a quite and pleasant place for the visitors' entertainment and holiday. Beixin culture relics is the earliest one of New Stone Ages. It's over 1,000 years earlier than the world famous Dawenkou Culture, and today it is also well preserved. The unearthed bronze has already over 3,000 pieces, of them 60 pieces are the state protection culture relics. Besides Meng Changjun Tomb, Maosui Tom and Kuang Heng Tomb are very famous, and it is also the hometown of Jia Sanjin (the famous wirter of the novel "Jin Pingmei")

With many years' efforts, museum of the Railway Guerrilla

Force, Taierzhuang Campion museum and its full-viewed museum have been completed and the ruins of Taierzhuang has also been repaired and well preserved.

With the increasing wider opening to the world, the tourist industry is developing rapidly. At present, there are 18 hotels in Zaozhuang city and they can receive more than 4,000 people, including 2 of 3-star class hotel with the reception of 600 people.

10. Investment environment

(1) Traffic and transportations

Zaozhuang city has an ideal geographical position, the traffic and transportation by its convenience. Today it has already formed a three-dimensional traffic network consisting of railway, highway and water route.

Jinghu (Beijing to Shanghai) Railway runs through the west of Zaozhuang and the railway line stretches 60 km within Zaozhuang city with 7 stations, Zaoxue and Jinghu crisscross railway in Xuecheng district is 31 km with 3 main stations. 160,000 passengers are accommodated every year. The total area of warehouse for the ten stations is up to 120,000 square metre with 110 pairs of up and down trains. It's predicated Jinghu railway electric locomotives will be put into operation at the end of this year.

There are 68 highways extending 1,300 km. No. 104 State Highway extends south and north, linking up provinces, cities and countryside of North China and East China. No. 206 State Highway runs through Jinan. Qingdao, Lian Yungang, Sh Jushuo and some other cities. Zaozhuang—Xuecheng first-class highway, 30 kms long, opened in 1993, another new highway from Zaozhuang to Tengzhou was opened to traffic in Nov. of 1995.

Zaozhuang has favourable conditions in developing canal. Jinghang Canal, 68 kms long, runs through the west and the

south, connecting with Hebei, Suzhou, Shanghai, Zhejiang provinces and cities. There are 3 ports such as Taierzhuang, Li Zhuang and Xin An. Shipping tons is more than 130,000 tons. Today Taierzhuang water gate and the three—grade channel are under construction. After they are completed, 1,000 tons of barges can pass through this canal and the annual passing capacity will increase to 21 million tons.

(2) Posts and communication

The posts and telecommunication services in Zaozhuang City have been greatly improved. The city can provide many kinds of services to over 180 countries and regions. There are altogether 80,000 telephones and some communication means such as facsimile, mobile telephones, digital communication ect. are widely used. Zaozhuang city can offer express mail service both internationally and domestically. Now, a new postal cases handling building is under the construction. Its completion will surely speed up the procedure of the postal matter handling.

(3) Water, electricity and gas

Zaozhuang Power Plant with installed capacity of 715,600 kw, can generate 2.114 million kw. KVA and supply over 4.5 billion kw/h.

Daily water supply can reach to 500,000 cubic metres. Daily gas supply is up to 300,000 cubic metres. After the stamping coke project is completed, 800,000 cubic metre of gas and 7,000 tons of steam can be supplied daily.

(4) Finance and insurance institutions

There are 560 financial setups including 332 banks and 228 non—banks. Zaozhuang Foreign Exchange Transaction Market opened in 1986. Zaozhuang Financial Market is one of the 4 comprehensive and multi—functioned markets in Shandong Province. It opened in Oct. 1992. There are 2 trust and investment compa-

nies, 14 credit cooperatives, one rural cooperative foundation, 7 real estate credits, 7 insurance companies, 73 postal savings deposits and 123 rural credit cooperatives.

11. Opening—up Zaozhuang to the outside world

Since 1988, the State approved Zaozhuang to be opened up to the outside world. It has already established the economic and trade relations with over 50 countries and regions and also established sister cities with 3 cities such as Sprokthovel of Germany, Mini of Japan, New England and North—West Region of Australia, in 1995, Zaozhuang established relations with Cerritos of America and York City of Canada. At present there are 450 contracted foreign investment enterprises, including 422 joint ventures, 4 cooperative firms and 21 foreign funds enterprises with investment of USD 283.5 million. At the same time, foreign trade is growing at a considerable rate. The use of foreign capital is yearly on the increase. Remarkable achievement have been made in introducing digesting and absorbing advanced technology from other countries.

Today's Zaozhuang is opening its doors to the outside world, foreign friends from different countries and regions are warmly welcome to Zaozhuang for investing, visiting, business and negotiations.

Zaozhuang is always opening its doors to the world.

CHIEF EDITOR: LI XIAOLING

EDITOR: WU GUANGHUA

TRANSLATIONS: HUANG GONGYONG

GAO FANG

TIAN XIAOYAN

TEL: 0086-632-3312061 3314026

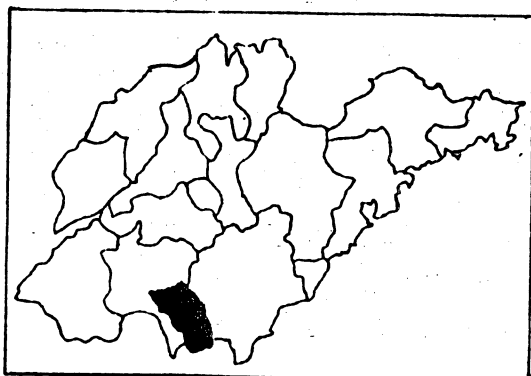
FAX: 0086-632-3312925

ADD: No. 279 JIEFANG BEI ROAD. ZAOZHUANG CITY.

SHANDONG PROVINCE. P. R. CHINA

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er, calcium, and local chemical fertilizer.

By the end of 1995, we had 1,650 enterprises in total above the town level, including 241 of state-run, 1,075 of collectives and 331 of joint ventures, contracted cooperation and foreign enterprises. Of overall enterprises, 765 for light industries and 850 for heavy, the proportion of light to heavy is 43 : 57.

We created the output value of industries in the city 26 billion yuan in 1995, the major products were 15.5 million tons of coal, 5.8 million tons of cement, 4.5 million tons of gypsum, 4.4 billion kw/h of generating power, 31,000 tons of yarn and 91 million metres of cloth and so on.

(1) Chemical industry

There are 81 chemical works which produced the value of 950 million yuan in our city, in the past few years, we have explored the full use of local rich resources of coal, especially promoted the growth of coal chemical industry and concentrated on the large and medium sized key projects. We have completed the project of No. 1 National Texco Gasification Project, the project of 1.4 — butylene glycol of 1,000 — ton grade, the project of 150,000 — ton methanol approved by our National Gasification Research Centre, and the 520,000 — ton urea project. With the completion of these projects, Zaozhuang will be the important base for coal chemical in Shandong Province, as well as the base in China in the next century according to the estimation.

(2) Building material industry

There are 254 independent accounting enterprises for production of building materials, which reach the output value of 1.93 billion yuan, the main products are cement, gypsum, flat glass, sanitary ceramics, decorating needs and wall materials, all these products have exported to other areas besides the satisfaction of local needs.

(3)Energy

In the city there are 135 enterprises involved in coal production, and 6 for power — generating. In 1995 the total output of coal was 15 million tons, generating 4.4 billion kw/h, the output value was 2.53 billion yuan, covering 22.6% of value among the independent accounting enterprises. The consumption of energy is not only for local use, but also for exporting.

(4)Textile

There exist 74 textile mills in the city, including 20 garment factories who create the production value around 1.25 billion yuan, now we have ring spinning 200,000 spindles, 50% of jute fined spindles 5,000, 50% of fined wool 2,500 spindles and coarse ones 3,950 spindles. The annual capacity of weaving is 80 million metres including denim cloth 24 million metres. We have 19 sets of jet—looms, shuttless loom 300 sets and ordinary ones 3,000 sets. The other four dyeing and printing lines can dye the cloth 80 million metres per year. The rapid progress was also made in silk production, we have silk threads 7,600 and an annual capacity of 2.85 million metres long.

(5)Manufacturing and electronics

There are 136 enterprises engaged in manufacturing and electronics whose output value is 108.8 million yuan, covering 9.7% of total industry output value, the major products are the ordinary lathes and precision computerized lathes made by Lunan Lathe Manufactory, the U/F shapes of deflected magnetic cores by Zaozhuang Magnetic Factory, motors and cables produced by Tongyong Manufacturing Factory.

(6)Foodstuff

The city has 59 of food processing factories, 43 of foodstuff making factories, 23 of soft drink factories and one cigarette factory. The production value of 2.74 billion yuan was by 125 facto-

ries in 1993, covering 20.4% of total industry output value. The key products are 70,000 tons of soft drinks, 36,000 tons of food-stuff, 16,000 tons of meat products, 8,500 tons of canned food including liquor of tortoise, Zhongren, lickrice and pearl which are the special products from our city.

(7) Tannery and some other industries

In the recent years, the steady growth has been made in tannery industry, now the capacity of production is 500,000 pieces of animal skins, including sheep skin 500,000 (4—5 pieces convert to 1 piece of hide), hides 200,000 pieces and some proportion of pigs' skin. The local utilization of processed hide covers 20% of total, the rest are for exporting. We have 50 toys factories whose annual output is 15.86 million pieces, 12.36 million pieces are exported.

4. Science and education

The flourishing promotion of education has greatly input the energy to the causes of economy development in the city, now we have 12 independent natural science units, 68 of various associations and communities, 3,500 students are studying at 5 colleges. There are 10 of professional and specialised training schools with 12,300 students in it, 195 junior and senior middle schools are holding 138,500 students, 1,311 primary schools are attended by 326,900 pupils; in the city we have 53,500 personals as the different technicians and engineers, covering 17.1% of total of working labour. Now we have enjoyed the 9—year compulsory education, the enrollment rate for colleges and universities in 1995 was 73.15%; we have passed the inspection in elimination illiteracy by Provincial Education Commission. In the past years, we have promoted the progress of science and technology by following the principle of "Developing Zaozhuang by Science", so the economy development was extremely enhanced by the improvement of

science and the quality of labour. According to the statistics, we have achieved scientific fruit 737 items in the past ten years, 59 items was honoured as the national and provincial progress award and 555 items utilized in working, the proportion of science and technology in development of economy is 40%.

5. Medical causes

More than ten years after the opening and reform, the administrative government at different level have collected efficient funds for improvement of medical organizations and equipment installation, the total space for medical use has reached 706,000 square metres, the fixed asset is 160 million yuan, there are 759 pieces of heavy equipments whose value is over 10,000 yuan by each, comparing to that in 1978, it has been raised 1.5 and 3 folds respectively.

Now the medical organization has been expanded to 438 places, and hospital bed 9,420, medical staffs are 11,543 person, increased 47.5%, 78.2% and 94.2% respectively comparing with that in 1978, every 1,000 people occupied 2.79 of hospital bed, and 3.42 of medical staff in service, all these figures are higher than that of provincial standard. The newly — built Za-ozhuang Hospital with an investment of 25 million yuan was ratified in 1993 as the first class hospital in the third grade in our country and reputed as the Lunan Pearl. The reform of medical work in rural area ranks the leading position in our province. In the short period of 10 years, we have collected investment of 37 million yuan for perfection of medical infrastructures in rural area since the management of township medical centres in rural areas were transferred to the local government, Tengzhou City, Xuecheng District and Shizhong district have respectively passed the exams and inspections by National Medical Ministry and Provincial Medical Department, they have also reached primary

medical standards released by our country. The medical network of three levels has been greatly enhanced and solidified. According to the statistics, there are 3,001 clinics in the administrative villages, township doctors have increased to 4,067 people.

6. Culture and sports

Zaozhuang has 7 cultural bureaus, among them there are 1 municipal bureau and 6 district bureaus. Under their jurisdiction, there are 7 cultural and artistic centres, 7 public libraries, 3 museums, 90 county cultural centers, 2,085 cultural compounds, 7 film projection companies, 223 film projection teams, 3 art-performing groups, 6 specialized theatres, 8 cinemas, 22 clubs, 51 rural cinemas. At present, Zaozhuang maintains 700 full-time cultural staffs and 6,000 part-time cultural staffs, and among the full-time staffs, 32 have senior professional posts, 92 middle professional posts and 192 junior professional posts, and more than 6,000 of key members for art-performing.

There are 9 cultural markets for performance entertainment, arts, video, historical relics, films, magazines, commercial libraries and art training, external culture exchange as well. According to the statistics, the consumers that enjoy the daily cultural entertainment activities up to 80,000. The annual operation value of the cultural markets is about 60 million yuan, the tax and profit is 3 million yuan.

In 1995, we had magnificent achievement in arts creation and performing during the "International Children Art Exhibition" run by the Ministry of Culture, three children from our city was honoured with awards. The song "The Yellow River in My Heart" was awarded the prize of "Qunxing" by the Ministry of Culture. Tengzhou County was ranked as "National Advanced County" in culture, In Shandong Golden Suona Horn Competition", our city won 16 prizes. A modern Liuqin Opera

named "Niang Jia Ren (people from maternal home)" won 10 prizes in the "Liuqin Opera Theatre Festival" held by Jiangsu, Shandong, Henan and Anhui Provinces, the modern Liuqin Opera, "Poemgranite Valley" won four prizes in "The Fifth Shandong Art Festival".

In the recent years, sports undertakings in our city has achieved rapid success along with reform and opening, the mass sports is extensively developed. A rough count shown that 90% of Zaozhuang population, that is up to 2.8 million people, regularly engaged in physical exercises. The skills of competitive sports improved quickly. Since 1990, Zaozhuang athletes won 12 international golds, one person broke one world record. The municipal government has invested 130 million yuan to build a multi-functioned sports center. These efforts laid a solid foundation for the sports reviewd of the municipal as a whole.

7. Press

In recent years, our city's press and publications have made rapid progress. At present, there are four formal newspapers approved by the Press and Publication Administration, "Zaozhuang Daily", "Tengzhou Daily", "Zaozhuang Broadcasting and Television Weekly" and "Zaozhuang Teachers' College Journal" in which "Zaozhuang Daily" has a circulation of 62,000 in nation wide; "Tengzhou daily" has a circulation of 23,000 "Zaozhuang Teachers' College Journal" is a quarterly, which has a circulation of 2,000. In addition, there are many restricted publications, such as Zaozhuang Public Security, Zaozhuang Miners', Lunan Cement, Zaozhuang Propaganda, Zaozhuang Coal Science and Technology, Times, Baodu (holding calf), Zaozhuang Party School, Zaozhuang Social Science and so on. In which, Zaozhuang Public Security and Zaozhuang Miners' has a circulation of 30,000 and 10,000 respectively, Times and Baodu are quarter-

ly and bimonthly respectively, they enjoy a circulation of 5,000 and 2,000 respectively.

By now, there are 7 municipal or district television stations, transmitting and relaying stations, and 25 television transmitters with a capacity of over 50w by each, the total power is 28 kw. They can transmit the programmes by the central of China, provincial, municipal and county television stations', with a covering of 87 percent of local population. There are 9 municipal or district broadcasting stations, 31 radio transmitters with a capacity of over 50w by each, the total power is 43 kw, they can transmit the programs by central of China, provincial, municipal and county radio broadcasting stations, with a covering 86.8% of local population. At present, local television stations have made 52 columns and broadcasting for 19 hours every day. In recent years, Zaozhuang TV Station and Radio Broadcasting Station have 300 programmes broadcasted respectively by central of China station and provincial station each year. In the last three years, 180 programmes were awarded with prizes of Provincial Excellent Television Programmes. In 1994, Zaozhuang TV Station has 7 special topics programmes transmitted by Panda and Yellow River TV Stations of the United States respectively.

In addition, we have set up 7 cable TV stations at district level, 9 broadcasting and television common cable transmitting networks, we also have erected 70 kms main lines with 100,000 terminal customers, 20 channels and 21 sets of programmes. And now, we are making the fiber optic network. The key parts of equipments in this project are imported, the system has the characteristics of advanced technology, wide — frequency band and much information and with the multi — functioned of transmitting in dual way, exchanging various data information, connecting computer networks, faximile, TV press, visible telephone, and

etc. The cable TV fiber optic network is the foundation of information express highway in 21st century.

8. Commerce

Since the reform and opening to the outside, rapid progress has been made in the commerce of Zaozhuang. By now, there are 7 enterprises and institutions with over 100 department stores and 5 wholesale markets under its jurisdiction. 20,000 workers and staffs create a fixed assets of 820 million yuan, and 1.6 billion yuan of business income. There are 10 shopping centers with the each area over 10,000 square metres, situated in golden sectors of business areas, are the backbone enterprises of Zaozhuang and Tengzhou. In recent years, our city's wholesale, retail and hotel services developed rapidly. Zaozhuang Commerce Limited Company is a large sized comprehensive stock enterprise, which intergrate with wholesale, retail, hotel and taxi service. An annual business income of this company is 450 million yuan. It is evaluated as one of 300 biggest stock enterprises of China by State System Reform Committee, State Economic and Trade Committee and State Statistics Bureau.

By now this company has set up stable business relations with 2,000 industrial and business enterprises in the country, also has made general sale and agency business for 400 famous and high quality goods. The commodity sells to 140 cities and counties inside and outside the province. The sales outside the city takes 50% of total sales volume.

9. Tourism

Zaozhuang city is an important part of ancient Qi and Lu Kingdom. The long history and beautiful natural environment endowed Zaozhuang City with ancient culture relics and rich tourism resources.

The pomegranate orchard, 15 kms long and 2 kms wide, is

located in the south of Tanshan near Zaoxue Economic Zone. It covers an area of 10,000 mu (667ha) with over 300,000 pomegranate trees. The orchard enjoys the great reputation of the biggest pomegranate orchard in the world. In summer the red pomegranate flowers look like fire and in autumn, rich fruits are hung on the branches of the trees. There are several scenic spots in the garden, such as Qingtan Temple, Yiwang Pavillion, Garden in Orchard, Quanfei Tomb ect. The trees with thick leaves and fantastic branches looks like natural potted landscape.

Bao Dugu (also called holding calf mountain), locating 20 kms northeast of Zaoxue Economic Zone, is one of 72 famous mountains in Yimeng mountainous district. It's 580 metres above the sea level with towering crags and beautiful scenery. At the foot of the mountain is the ruins of Qinghua Temple, around the middle of the mountains, there are more than 10 holes, down the cliff and the holes there still exist some stone caving figure of Buddha. There are two pools on the top of the mountain. The water is calm and clear all year around, there are many kinds of valuable trees in the mountain, of them are alangiums, horn-beams and tassels ect.

Zhoucun reservoir is situated at the foot of mountain. It covers a large area with clear water. Indeed it is a quite and pleasant place for the visitors' entertainment and holiday. Beixin culture relics is the earliest one of New Stone Ages. It's over 1,000 years earlier than the world famous Dawenkou Culture, and today it is also well preserved. The unearthed bronze has already over 3,000 pieces, of them 60 pieces are the state protection culture relics. Besides Meng Changjun Tomb, Maosui Tom and Kuang Heng Tomb are very famous, and it is also the hometown of Jia Sanjin (the famous wirter of the novel "Jin Pingmei")

With many years' efforts, museum of the Railway Guerrilla

Force, Taierzhuang Campion museum and its full-viewed museum have been completed and the ruins of Taierzhuang has also been repaired and well preserved.

With the increasing wider opening to the world, the tourist industry is developing rapidly. At present, there are 18 hotels in Zaozhuang city and they can receive more than 4,000 people, including 2 of 3-star class hotel with the reception of 600 people.

10. Investment environment

(1) Traffic and transportations

Zaozhuang city has an ideal geographical position, the traffic and transportation by its convenience. Today it has already formed a three-dimensional traffic network consisting of railway, highway and water route.

Jinghu (Beijing to Shanghai) Railway runs through the west of Zaozhuang and the railway line stretches 60 km within Zaozhuang city with 7 stations, Zaoxue and Jinghu crisscross railway in Xuecheng district is 31 km with 3 main stations. 160,000 passengers are accommodated every year. The total area of warehouse for the ten stations is up to 120,000 square metre with 110 pairs of up and down trains. It's predicated Jinghu railway electric locomotives will be put into operation at the end of this year.

There are 68 highways extending 1,300 km. No. 104 State Highway extends south and north, linking up provinces, cities and countryside of North China and East China. No. 206 State Highway runs through Jinan, Qingdao, Lian Yungang, Sh Jushuo and some other cities. Zaozhuang—Xuecheng first-class highway, 30 kms long, opened in 1993, another new highway from Zaozhuang to Tengzhou was opened to traffic in Nov. of 1995.

Zaozhuang has favourable conditions in developing canal. Jinghang Canal, 68 kms long, runs through the west and the

south, connecting with Hebei, Suzhou, Shanghai, Zhejiang provinces and cities. There are 3 ports such as Taierzhuang, Li Zhuang and Xin An. Shipping tons is more than 130,000 tons. Today Taierzhuang water gate and the three—grade channel are under construction. After they are completed, 1,000 tons of barges can pass through this canal and the annual passing capacity will increase to 21 million tons.

(2) Posts and communication

The posts and telecommunication services in Zaozhuang City have been greatly improved. The city can provide many kinds of services to over 180 countries and regions. There are altogether 80,000 telephones and some communication means such as facsimile, mobile telephones, digital communication ect. are widely used. Zaozhuang city can offer express mail service both internationally and domestically. Now, a new postal cases handling building is under the construction. Its completion will surely speed up the procedure of the postal matter handling.

(3) Water, electricity and gas

Zaozhuang Power Plant with installed capacity of 715,600 kw, can generate 2.114 million kw. KVA and supply over 4.5 billion kw/h.

Daily water supply can reach to 500,000 cubic metres. Daily gas supply is up to 300,000 cubic metres. After the stamping coke project is completed, 800,000 cubic metre of gas and 7,000 tons of steam can be supplied daily.

(4) Finance and insurance institutions

There are 560 financial setups including 332 banks and 228 non—banks. Zaozhuang Foreign Exchange Transaction Market opened in 1986. Zaozhuang Financial Market is one of the 4 comprehensive and multi—functioned markets in Shandong Province. It opened in Oct. 1992. There are 2 trust and investment compa-

nies, 14 credit cooperatives, one rural cooperative fundation, 7 real estate credits, 7 insurance companies, 73 postal savings deposits and 123 rural credit cooperatives.

11. Opening—up Zaozhuang to the outside world

Since 1988, the State approved Zaozhuang to be opened up to the outside world. It has already established the economic and trade relations with over 50 countries and regions and also established sister cities with 3 cities such as Sprokhovel of Germany, Mini of Japan, New England and North—West Region of Australia, in 1995, Zaozhuang established relations with Cerritos of America and York City of Canada. At present there are 450 contracted foreign investment enterprises, including 422 joint ventures, 4 cooperative firms and 21 foreign funds enterprises with investment of USD 283.5 million. At the same time, foreign trade is growing at a considerable rate. The use of foreign capital is yearly on the increase. Remarkable achievement have been made in introducing digesting and absorbing advanced technology from other countries.

Today's Zaozhuang is opening its doors to the outside world, foreign friends from different countries and regions are warmly welcome to Zaozhuang for investing, visiting, business and negotiations.

Zaozhuang is always opening its doors to the world.

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Communication and Reports from City Officers
#2

5-623

A communication transmitting a letter from
Mayor Sheila Doyle Russell regarding Anqing
Sister-City Proposal.

In City Council November 25, 1996

Referred to the
Sister Cities
Committee.

Copy sent 11-27-96
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