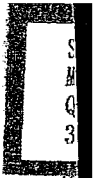


第一次十年報告

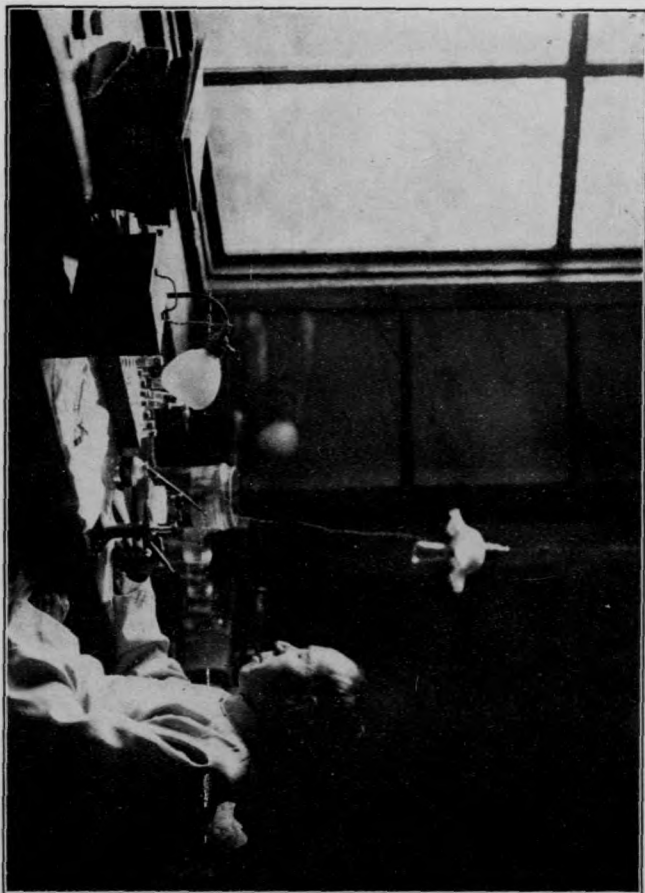
中國科學社生物研究所概況





中國科學社生物研究所外景

本所所長兼農山博士



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中國科學社生物研究所概況

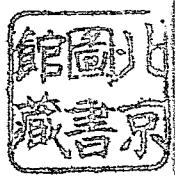
(第一次十年報告)

自萌始迄創立

民國十一年夏，秉農山博士歸國任教東南大學既二年，間嘗循海採集動物，而胡步曾博士又嘗遣人遠旅青藏，以蒐求奇花異卉。所獲動植物標本，蓋已蔚然爛然矣。乃謀于科學社曰：海通以還，外人競造遠征隊深入國土以採集生物，雖曰致志于學術，而藉以探察形勢，圖有所不利于吾國者，亦頗有其人。傳曰，貨惡其棄于地也，而仇慢濫誨盜，啓強暴覬覦之心。則生物學之研究，不容或緩焉。且生物學之研治，直探造化之祕奧，不拘拘于功利，而人羣之福利實攸繫之，進化說興，舉世震耀，而推原于生物學。蓋致用始于力學，譬若江河，發于源泉，本原不遠，雖流不長。向使以是而啓厲學之風，惟淬志于學術是尚，則造福家國，寧有涯際。至于資學致用，進以治菌蟲藥物，明康強衛生之理，免瘟瘧疫癘之災，猶其餘事焉。社中同人，咸感于其言，衆議僉同，卽推秉胡及楊杏佛三君壁畫生物研究所事。是年八月十八日，生物研究所行開幕禮于南京中國科學社。名賢畢集，一時稱盛。有記事，載科學中。

中國科學社生物研究所概況

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十一年迄十五年

生物研究所既啓幕，以秉君農山爲所長。創立之先，頗多假許，而于時率皆不應。徒託空言，終無攸助。中國科學社又艱窘不能有所借益。僅于社之南樓，榜其楹曰生物研究所而已。秉胡兩君，乃請分南樓二小室，爲研治藏修之所。社中又勉撥二百四十圓，藉資常年經營。于是常繼先君遂來所任職。常君日赴東南大學習剝製標本之法，夜則宿所中治理雜事。秉胡及東南大學生物系他教授，常來所就南樓小室，研治所學，皆不計薪也。已而又從科學社乞得南樓下兩大室，卽布陳標本其中。雖所展列，都屬尋常，而以國內向無公開之博物館，倡立新異，觀者盈途。于時東南大學以講學馳名大江南北，言教育者多來南都觀摩，過南都者幾莫不過生物研究所之標本室，皆詫異歎服而去。于是江蘇省執政者亦知重視此所。明年秋，省庫月撥本所三百圓，乃增聘王仲濟君爲研究員，陳長年君與常君分任動植物標本採集員，社中又盡撥南樓北向屋爲本所治學之所。時胡步曾教授已赴美，秉君約東大陳煥鏞陳席山兩教授來所分主動植物學兩部事，各出所藏書，儲諸所中，胡步曾陳席山兩教授亦出所蓄以公衆覽。本所之有圖書室，此蓋爲其嚆矢。東南大學主政者，又惠許資借儀器藥物，始稍稍具規模。該校生物系曾巍夫，孫稚蓀，喻慕琦諸君，亦俱來所資用便利，進求所學。蓋已開純志爲學，不事功利之風焉。其年夏，秉



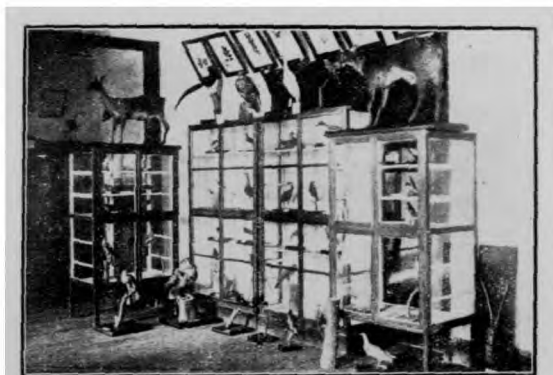
本所之南樓



本所之北樓



南樓下標本陳列室, 一(十五年)



南樓下之標本陳列室, 二(十五年)

教授率東大學生往海濱採集，北至芝罘，南至甌越，秋初始歸。以其所獲，積與常君南京附近所得，動物標本，已頗豐多，苦于隘逼，無能整治。冬間，社中復撥北樓下南隅一小室爲製造標本之用，于是陳列室所展布者，益以增多。十三年之夏，常君又隻身遠旅海南，獵鳥獸魚介之屬。其時科學社在南京舉行十週紀念年會，名賢碩學，一時俱至，于生物研究所，頗有獎許。已而江浙戰起，江南騷然，而所內研究工作，未嘗少懈。方當盛夏，炎暑鬱蒸，漉汗透裳，而治學不輟，未嘗分志于近郊之烽驚。一所感奮。而所外人士，觀于設備之簡陋，文籍之貧乏，治學者之寡少，薪給又菲薄，以爲不能有所成就，將僅爲展陳標本之處所而已。然而期年而後，成績斐然，發刊成帙，爲本所論文第一卷，凡五篇；此他發刊國外雜誌者，又三篇。其成效遠軼擁華廈著虛名者之上，不假借于外力，惟奮勵以自進，于是向以爲不能有所成就者，刮目以視，爲之嗟歎。中華教育文化基金會既聞知其成業，欲有所資助以勸學。本所執事，因繕陳事蹟，請與濟助。書既入，卽得如所請，年給萬伍千圓，又撥助設備費伍千圓。

十五年迄十八年

十四年春，王仲濟君赴美留學，卽以張震東君抵補其缺。十五年秋，既得文化基金會之補助，于是復增聘張真衡君爲動物學研究員，耿仲彬君爲植物學研究員，胡步曾博士又自美國歸來，與秉農山教授

分主動植物部事。所中經費既較前略裕，因各取半俸以明其職守，所中負責人員，至是乃增益至六人，而工作亦踵事增繁。秋冬之間，動物部人員偕東大生物系師生，共赴廈門，搜羅海陸動物標本。十六年春，又赴青島芝罘，以考察海濱產物狀況。植物部則致力於浙江四川兩省之採集。既彙集所得，而以文獻缺陋，不得不寄送國外，求專家爲之鑒定。乃感典藉之不可不備也，因斥鉅款以購求名貴書報。所資付往往非財力所能任，則損薪以償。而研究論文之付印，亦需款不貲，勉力支付，發刊五篇。其他述作，則送所外雜誌，以節需耗。十六年秋，動物部又增研究員方質之君金維堅君各一人，以國內產物宏富，品種萬彙，而調查與記載，闕無誌考，故于標本之採集，深予注意。日常勤于南京附近採獵，又斥資派遣秦仁昌鄧萬鈞金維堅三君，深入浙省，留天目山者匝月，迺獲衢嚴，以迄仙霞關；又囑方植夫君上下川康萬山間，考察西陲植物；秉農山教授歸自廈門，搆鳥獸蟲魚之類凡三千許。留所人員，則勤治形態，生理，遺傳，生態諸學，既有所得，輒以發刊。時國外學術機關，亦漸知有中國科學社生物研究所，標本書物，頗有贈答。舊有房屋，既無所增加，積聚諸室，盈架充棟，蓋已不勝積壘矣。十七年春，國民政府組織中央研究院自然歷史博物館，卽擬遣隊入黔桂，從事採集，急求應援。秉胡兩君，既爲規畫館事，又爲派方質之常繼先兩君遠征廣西。會東南大學改組，向時執事者多離去，舊借自東大事物，全須璧還。歷年所耗于採集者已不貲，至是乃節約用款，釀金添購儀器藥物，稱所需要，凡顯微鏡，解

剖刀剪，器用什物，蓋于是乃始自置備焉。十八年春，方常二君既歸而受博物館之聘，陳長年君亦去之博物館，因聘王以康劉其燮兩君補其缺，雖人員更迭，財用匱乏，而學術之研究，則曾不少懈。論文發刊者，仍合五篇成一卷，未嘗有省略。自受款補助以來，學人盡其力，財用盡其利，三年之間，終始努力。中華文化基金會董事會深為嘉獎，以為難得。

十八年迄二十一年

十八年春，國外派遣來華之採集團，數倍于往昔，頗有異志，而皆託辭于研討學術，益感國內動植物品種調查之不容或緩。本所就域內地勢，分為八區，擬先成長江下游及東南沿海兩區之考查。顧以研究人員之寡少，殊不足以肩荷此任。因聲敘原委，詳陳規畫，欲事增張，上書中華教育文化基金會董事會，又荷惠許，年給費四萬圓。于是增聘執事，添購書物；所中職員，即驟增至十八人，計專家三人，研究員八人，採集員三人，助理三人，繪圖員一人；又頗有所外學人，資本所便利，來作研究。于是依所規畫，分功邁進，以赴所期。採集員足跡所至，北及齊魯，南抵閩粵，西迄川康，東至于海；而江，浙，皖，贛，往返尤頻，奔走跋涉，往往經年。凡所採獲，亦不復寄送國外，率由所內諸人，分任鑑別。期年，所得研究論文，數倍于往昔。舊時篇幅，不復可容，動植物部乃分別付刊，各成專系。蓋自十八年秋

迄十九年冬，總成論文二十五篇。雖曰研習者勤勞所致，要攸賴于財力之補助。向使無中華教育文化基金會董事會之資惠，雖有實物，而證考無人；就令研幾有得，亦無從措資發刊也。當時所中先進人員，又努力提攜後學，苟可以助益學子，靡不唯力是視。蓋受之于社會者既厚且重，又自諗負荷之艱巨，則可以效力于社會者，自亦勇勛以赴之。中華教育文化基金會董事會既習知其事，因邀所長秉君組織靜生生物調查所于北平。凡所擘畫，一循舊規。惟南北奔走，兼理兩所，卒卒少暇，苦無治學之時會，乃邀胡步曾君北上襄治，共持所務；而南京本所植物部事，則延錢雨農教授主理之。舊時本所研究員，又多以其學績，得各方遴選，留學異國。以是所中職員，頗有更迭。瓜代者繼承前跡，踴厲奮揚，益以堅進。故所論著，愈以精豐。投寄國外，馳譽異域；以求贈賂，頗有瓊瑤。圖書室之收藏，乃漸漸豐盈。而標本之採集，亦復重疊往復，期其詳備。自十八年迄二十年，三年之間，凡四赴齊魯，經濟南，青島，登萊，芝罘，龍口諸處；三至浙省，歷寧，紹，杭，湖諸郡，又循海過舟山，石浦，以迄甌江；深入川康者三；循江上下，跋涉浙，鄂，皖，贛者二；而南京附近之採集不論焉。動植物標本，前後所獲，逾十萬枚。科學社盡以南樓相讓，繼又分北樓之一部；十九年十月，上海明復圖書館建立，科學社總部遷而之滬，舉南京社所相予，猶不足以容所積聚。且研究人員既多，又各有專業，而雜沓斗室，深感局促。其年冬，中華教育文化基金會董事會約中國科學社總部，各捐款數萬元，釀金制地，鳩工度材，建新廈于社西



本所之新樓



新樓藏書室之一角

植物目錄卡片櫃之一



新樓獸類標本
陳列室之一角



新樓鳥類標本
陳列室之一角



舊時南樓之動物切片室



新樓之動物切片室



← 新樓閱書室之一角



舊時南樓之藏書室 →



南樓下動物標本貯藏室

平原。二十年三月，既告成功。崇樓矗立，輪奐精美；骨鋼挺實，水泥堅厚；免水火之災，有深固之安。總分兩層，凡三十六室。乃遷書籍標本儀器于其內。向時重疊積壓者，至是皆度藏有所，鋪陳有序；而研究之須有精微設備，若組織學，生理學，試驗胚胎學等，以新廈光線充足，溫度適宜，亦俱能如所指度，愜心以從事。研學者既無所紛煩于措備，成效遂日以顯著。凡有論述，頗受稱許。學術機關之願以刊物交益者，國內外凡六百餘處。負挾以趨，生物科學乃爲國人所重視，而北平靜生生物調查所，長足展進，成績卓著，與本所互相提攜，亦復載譽于域內。

最近之二一年

長江下游動物之調查，十八年秋卽已發軔。會日本遣人入川康採集，本所卽派員追蹤前往，閱十月，攜標本返京。積與前所採獲者，亦已豐多。卽着手整理。不數月而報告發刊矣。競著先鞭，以爭國光，雖鷄鼠滿腹，所蓄持者有限，而競進爭勝之心，要足多也。願本所初未嘗以此遂怠棄下游動物調查之工作。二十一年初夏，彙諸人研治之成績，裝訂成冊，蔚成巨帙，以奉諸中華教育文化基金會董事會。當時東北淪陷，上海以不堪迫辱而奮戰，敵艦又發砲猛擊新都，東南震動。本所鑑于敵人之專志于毀害文化

機關也，曾匆促遷避于上海科學社，歷碌運輸，頗耗時力。基金會諸人既獲觀此書，以本所治學者不以國難而中輟，不以遷移而荒怠，淬志奮進，彌以堅厲，視所成就，更軼尋常，許為難得。植物部亦以南京植物名錄送會檢閱。基金會諸君子，既歎異其努力，故雖值國家多事，財用困乏，亦復勉與支維，仍給助年金四萬圓。蓋惟奉身于學術，專志于研習，顛沛困苦，不離于是，精誠以之，自足感動社會也。其年秋，政府已簽訂滬約，復遷歸南京。回念旅滬時敵軍之橫暴，飛機旦夕騷馳于天宇，側側力力，映激于心目者既極深切；而建國興邦，造端于科學之昌明，則所負荷，亦殊綦重。故返京以來，刻苦奮勉以致力於學，通所合作，視前尤精進。今年夏，成長江動物誌初稿，凡三厚冊；又沿海動物圖錄，南京植物通誌，與浙江植物誌略，亦俱有成帙。此外各別專著，則有發刊之論文，詳見後列論文目錄。

歷年以來，本所既有採集團遠赴川康，蜀中人士，頗為助理其事，又頻頻遣人隨隊習作。盧作孚先生熱心提倡科學，先已在川省創立中國西部科學院，聲應氣求，甚願相與合作，本所人員，每次入川採集，皆受該院之扶助，飲惠既多，無忘報德，頃方為策劃，欲使該院生物學研究之事業，逐漸發展，所奉獻者，當猶昔之于靜生生物調查所與自然歷史博物館也。

近來本所書籍儀器，既大體粗具，博物館之研究人員，因常來所假籍利便，資作參證，本所亦轉而利其所收藏之標本，為研學之資實。至于靜生生物調查所，則以本若同源，事類一體，典籍文物，時相

資借，或互爲餽遺；間且合組遠征隊，以從事採集，相維相繫，有如指臂。此外若南京中央大學，廣州中山大學，浙江西湖博物館等，亦常有所交益。國內學術機關之相與，其大概如右述。

本所既得國內各學術機關之惠助，標本之蒐羅，愈益便易；然未嘗以此遂疏于採集。長江流域與沿海諸省之動植物，一年之間，必數數派遣人員，專事征獵。既以資研習者之究治，又以充京滬兩處之陳列。去年本所暫遷上海，滬社執事，朝夕相與聚處，頗感本所同人用事之勤；洎歸南京，屢屢遺書囑爲措辦博物館于滬社之三樓，且願空數室以爲本所人員稽留研學之用。茲已略爲陳說。顧室寬而物少，殊苦寥落，又不能盡空京所之陳列以遷之滬上；研學者需求實物，又頗殷切。故標本之採集，視前爲亟。而以費用絀乏，未能多事征發；卽征發，亦未能久于羈旅。窘于財者，不克雄舉，有若幼鴻雛鷓，羽毛未豐，雖有搏雲之志，固未能展翮摩天而飛也。

現狀

一 正式職員

本所費用匱乏，而書物，採集，印刷所支，爲數殊繁重，不得不力爲節制。故職員薪給，率皆微薄，而研究者又大抵兼理事務。下表所列，可以概見：

中國科學社生物研究所概況

中國科學社生物研究所概況

甲 動物部

姓名	字	職	務	經	歷
秉志	農山	所長兼動物部主任技師		美國康乃爾大學哲學博士韋斯特生物研究所研究員 國立東南大學生物系主任該所動物部主任中華教育文化基金會研究教授	美國康乃爾大學哲學博士韋斯特生物研究所研究員 國立東南大學生物系主任該所動物部主任中華教育文化基金會研究教授
王家楫	仲濟	技師		美國本薛文尼大學哲學博士韋斯特生物研究所研究員 耶魯大學動物系研究員國立中央大學動物學教授	美國本薛文尼大學哲學博士韋斯特生物研究所研究員 耶魯大學動物系研究員國立中央大學動物學教授
王欽福	以康	研究員兼標本室管理員		南京高等師範農科卒業國立東南大學農學士東大農科助教廈門大學動物助教	南京高等師範農科卒業國立東南大學農學士東大農科助教廈門大學動物助教
張孟聞	以字行	研究員兼書記		國立東南大學理學士浙江省立第四中學私立春暉中學生物學教員國立北平大學農學院動物學教授	國立東南大學理學士浙江省立第四中學私立春暉中學生物學教員國立北平大學農學院動物學教授
周蔚成		研究員兼會計		國立南京高等師範畢業東南大學農學士江蘇省立常州中學安徽省立第二女子師範學校上海私立澄衷中學生物學教員	國立南京高等師範畢業東南大學農學士江蘇省立常州中學安徽省立第二女子師範學校上海私立澄衷中學生物學教員
倪達書		研究員		國立中央大學理學士	國立中央大學理學士
何錫瑞	馨吾	研究員		河南中山大學理學士 河南十三中學教員	河南中山大學理學士 河南十三中學教員

陳月舟

繪圖員

上海中華藝術大學畢業廈門大學中央大學生物系繪圖員
天台中學教員

賈泰寅

標本裝置員

金陵大學肄業

陳進生

切片員

江陰中學肄業

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採集員

前直軍十三混成旅一團一營營長

王以炳

履欽

切片員

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張宗熠

標本室助理

中央大學實驗學校肄業

乙 植物部

錢崇澍

雨農

植物部主任

裴鑑

季衡

技師

美國意大利諾大學學士芝加哥及哈佛大學畢業院肄業前
南京第一農業學校教員南京金陵大學東南大學北平農
業大學清華大學廈門大學教授

鄧叔羣

子牧

真菌學技師

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美國康乃爾大學學士碩士廣州嶺南大學南京金陵大學
中央大學教授中央農業實驗所技正中華教育文化基金
會研究員

中國科學社生物研究所概況

中國科學社生物研究所概況

方文培 植夫 研究員兼採集員

國立東南大學農學士河南中州大學教員

孫雄才 研究員兼標本室管理員

國立東南大學農學士江蘇省立水產學校生物教員廣東
國立中山大學植物系助教廣東國立中山大學農科植物
學講師

鄧萬鈞 研究員兼採集員

江蘇第一農校畢業母校林科助教前東南大學樹木學助
教

陳詩 光勳 採集員

諸暨縣立中學肄業杭州浙江大學農學院植物組採集員

賀賢育 採集員

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傅貽昌 瑞元 標本室助理

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姚仲吾 標本室助理

江蘇省立松江中學初中部畢業

馮彥 展如 繪圖員

江蘇省立藝術專科畢業前任無錫美術專門學校教員常
州縣立芳暉女子中學教員國立中央研究院自然歷史博
物館繪圖員

二 標本

本所自成立以來，即着意于標本之採獵，總以經費艱乏，未能廣事征集。然經時既久，年月積儲，所得亦復可觀。茲就已經整理者，約舉如次：



白鼠飼養室



北樓下動物標本製造室



北樓下植物標本室之一部

門 別	甲 動物標本	
	種 類	個 數
脊椎動物	一〇三五	一七七〇〇
哺乳類	五三	四百餘
鳥類	四二五	三千餘
爬虫類	六五	五百餘
兩棲類	三七	七百餘
魚類	四五五	一萬三千餘
脊索動物	一二	一〇〇〇
節肢動物	三五五四	三五〇〇〇
軟體動物	四三二	一〇七〇〇
棘皮動物	六四	二〇〇〇
環節動物	四七	五〇〇
蠕形動物	一三八	五七〇

中國科學社生物研究所概況

中國科學社生物研究所概況

腔腸動物	三三	二〇〇
多孔動物	一七	
原生動物	三九四	
總計	五七二六	六七五〇〇
門別	乙 植物標本	個數
藻類	種數	
菌類	八一	六〇〇
苔蘚類	五一〇	一二〇〇
蕨類	二一	三〇
種子類	一五〇	六〇〇
裸子植物	一二〇	七〇〇
被子植物	四九〇〇	五〇〇〇〇
總計	五七八二	五三一三〇

標本都理爲兩全份，以其一份存諸滬社，其又一份則陳列于本所新樓標本室。此外重複之件，則爲研究者所資取，又爲各學社交換互證之用。

三 書籍

本所成立之時，初無生物書籍。期年，秉農山胡步曾兩君以其私人藏蓄，儲貯本所，以資公用，始有圖書室。其後每年續有添購。十九年十月，科學社總社既遷上海，于是南京乃別立生物圖書館。雖比年金價飛漲，匯率奇高，而研習所需，未或減省，書庫所藏，年有增益。海外學社，又頗有贈貼。名典要籍，大率粗備。故所積儲，差有可觀。計雜誌三百五十二種，書九百二十二卷，共藏書九千餘冊，分列於本書之後，藉供參考。（見附錄「圖書目錄」）

四 研究工作

當本所成立之初，研學者各以其志趣而異其所研求之科目，凡形態、生理、遺傳、境緣、分類、胚胎諸學，靡不相及。十六年以始，感于本國生物品種調查之不容或緩，略側重于分類學。歷年以來，其由本所自行發刊者凡九十八篇，其由國內外及他雜誌發刊者，復有七十二篇。（所外發刊論文目錄見附錄二。）

中國科學社生物研究所概況

本所刊行之論文篇目

CONTRIBUTIONS FROM THE BIOLOGICAL LABORATORY OF THE SCIENCE SOCIETY OF CHINA

Vol. I. (1925)

- No. 1. 陳 楨, 金魚之變異
Variation in external characteristics of goldfish, *Carassius auratus*,
by *Shisan C. Chen*.
- No. 2. 胡先驕, 中國植物之新種
New species, new combinations, and new descriptions of Chinese
plants, by *H. H. Hu*.
- No. 3. 王家楫, 南京原生動物之研究
Study of the protozoa of Nanking, by *C. C. Wang*.
- No. 4. 秉 志, 鯨魚骨骼之研究
Preliminary observations on the osteology of *Neomeris phocaenoides*,
by *C. Ping*.
- No. 5. 陳煥鏞, 樟科研究
Preliminary notes to the study of the Lauraceae of China, by
W. Y. Chun.

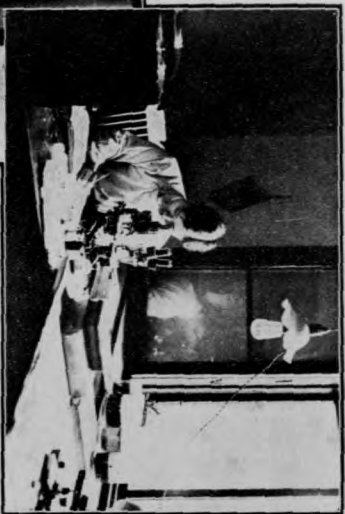
Vol. II. (1926)

- No. 1. 秉 志, 虎骨之研究
On the skeleton of *Felis tigris*, by *C. Ping*.
- No. 2. 孫宗彭, 南京蜥蜴之調查
Notes on the lizards of Nanking, by *T. P. Sun*.
- No. 3. 魏岳壽, 一種由蔗糖滓中提取精蔗糖之生物學
方法
A biological method of recovering sucrose from cane sugar molass,
by *N. Wai*.
- No. 4. 張景鉞, 蕨莖組織之研究
A preliminary report on the origin and development of tissues
in the rhizome of *Pteris aquilina* L., by *C. Y. Chang*.
- No. 5. 胡先驕, 中國東南諸省森林植物初步之觀察
A preliminary survey of the forest flora of south-eastern China,
by *H. H. Hu*.

南樓動物研究室(一) →



南樓動物研究室(二) ←



南樓動物研究室(三)



南樓動物研究室(四)

Vol. III. (1927)

- No. 1. 錢崇澍, 安徽黃山植物之初步觀察
Preliminary notes on the vegetation and flora of Hwang Shan,
by S. S. Chien.
- No. 2. 伍獻文, 鯊魚胃中之新圓蟲
A new Nematode from the stomach of a scyloid shark, by H. H.
Wu.
- No. 3. 秉志, 白鯨舌之觀察
On the tongue of the white dolphin (*Sotalia sinensis*), by C. Ping.
- No. 4. 伍獻文, 幼水母之感覺器
Preliminary observations on the sense organs and the adjacent
structures of two Scyphomedusae at young stage, by H. W.
Wu.
- No. 5. 胡先驥, 中國槲屬之研究(附秦仁昌, 分布及產地
之紀述)
Synoptical study of Chinese *Torreya*s, with supplemental notes
on the distribution and habitat (by R. C. Ching), by H. H. Hu.

Vol. IV. (1928)

- No. 1. 胡先驥, 槲栲木, 中國南部安息香科之新屬
Sinojackia, a new genus of Styracaceae of south-eastern China,
by H. H. Hu.
- No. 2. 謝澗成, 螞蟥之解剖
Anatomy of the leech (*Whitmania lævis* Baird), by F. C. Zai.
- No. 3. 徐錫藩, 水母之新種
A new species of *Hydromedusa*, by H. F. Hsu.
- No. 4. 張春霖, 南京魚類之調查
A review of the fishes of Nanking, by T. L. Tchang.
- No. 5. 方炳文, 鱮鰓鰓棘之解剖
Notes on the gill-rakers and their related structures of *Hypophthalmichthys nobilis* and *H. molitrix*, by P. W. Fang.

Vol. V. (1929)

- No. 1. 張宗漢, 福州之新龜
Notes on an apparently new or rarely known hardshelled turtle
from Fuchow, by T. H. Chang.
- No. 2. 伍獻文, 新種且新屬之蛙
Osteosternum amoyense, a new frog from Amoy, by H. W. Wu.
- No. 3. 嚴楚江, 梧桐花之解剖及其兩性分化之研究
Observations on the sex differentiation and flower anatomy of
Frimiana simplex Wright, by T. K. Nyi.

Vol. V. (1929) (Continued)

- No. 4. 伍獻文, 廈門魚類之調查 (第一卷)
Study of fishes of Amoy, Part I, by *H. W. Wu*.
- No. 5. 胡先驥, 中國植物長編
Prodromus florae Sinensis by *H. H. Hu*.

Vol. VI. *Zoological Series*. (1930)

- No. 1. 徐錫藩, 夾板龜之新變種
Preliminary note on a new variety of *Cyclemys flavomarginata* from China, pp. 1-7, by *Hsi-Fan Hsü*.
- No. 2. 王家楫, 腹毛蟲新種之記載
Notes on some new and rare species of Hypotrichous infusoria, pp. 9-18, by *Chia-Chi Wang*.
- No. 3. 徐錫藩, 廈門巨蛙
A new giant frog of Amoy, pp. 19-23, by *Hsi-Fan Hsü*.
- No. 4. 方炳文, 中國平鱗鱧類之新種屬
New and inadequately known homalopterid loaches of China, pp. 25-43, by *P. W. Fang*.
- No. 5. 伍獻文, 長江上游數種類魚類之研究
Notes on some fishes collected by the Biological Laboratory, Science Society of China, pp. 45-57, by *Hsien Wen Wu*.
- No. 6. 伍獻文, 福州海魚之一新種
On *Zoarces tangwangi*, a new eelpout from Chinese coast, pp. 59-63, by *Hsien Wen Wu*.
- No. 7. 張春霖, 白鼠之生活史
Preliminary observations on the life history of the albino mouse, *Mus decumanus albino*, pp. 65-74, by *C. L. Chang*.
- No. 8. 徐錫藩, 三身鷄胎之研究
On a triple embryo of the chick, pp. 75-98, by *Hsi-Fan Hsü*.
- No. 9. 方炳文, 四川爬岩魚之一新種
Sinogastromyzon szechuanensis, a new homalopterid fish from Szechuan, China, pp. 99-103, by *P. W. Fang*.
- No. 10. 王家楫, 兩種新纖毛蟲
On two new ciliates (*Holophrya latericollaris* sp. nov. and *Choanostoma pingi* gen. and sp. nov.), pp. 105-111, by *Chia Chi Wang*.

Vol. VII. *Zoological Series*. (1931)

- No. 1. 伍獻文, 福州魚類之調查
Notes on the fishes from the coast of Foochow region and Ming River, pp. 1-64, by *Hsien-Wen Wu*.

Vol. VII. *Zoological Series*. (1931) (Continued)

- No. 2. 方炳文與張孟聞, 南京雙棲類誌
Amphibia of Nanking, pp. 65-114, by P. W. Fang & Mangven L. Y. Chang.
- No. 3. 陳 義, 四川陸地寡毛類及數新種之記述
On the terrestrial Oligochaeta from Szechuan (with descriptions of some new forms), pp. 117-171, by Y. Chen.
- No. 4. 秉 志, 南京動物誌略
Fauna of Nanking, pp. 173-202, by C. Ping.
- No. 5. 戴立生, 透明金魚及雜斑金魚發生期中返光質之變化
On the development of the reflecting substance of the transparent and mottled goldfish, pp. 203-219, by L. S. Tai.
- No. 6. 伍獻文與王以康, 長江上游魚類小誌
On a collection of fishes from the upper Yangtze Valley, pp. 221-237, by H. W. Wu & King-Fu Wang.
- No. 7. 崔芝蘭, 蛙腎臟四季之變遷
Seasonal changes in the kidney of the frog, pp. 239-247, by Chi Lan Tsui.
- No. 8. 張宗漢與方炳文, 南京蛇類及龜類之調查
A study of the ophidians and chelonians of Nanking, pp. 249-288, by T. H. Chang & P. W. Fang.
- No. 9. 方炳文與王以康, 石虎屬魚類全誌
A review of the fishes of the genus *Gobiobotia*, pp. 289-304, by P. W. Fang & K. F. Wang.
- No. 10. 鄭 集, 鯽魚胃部之變遷
A preliminary note on the epithelium and its adjacent structures of the fish's stomach in spring and winter, pp. 305-313, by L. T. Cheng.

Vol. VIII. *Zoological series* (1931-1932)

- No. 1. 伍獻文與王以康著: 烟台四新種魚
Four new fishes from Chefoo. pp. 1-7, by H. W. Wu & K. F. Wang.
- No. 2. 張孟聞, 四川爬蟲類略述
Notes on a collection of reptiles from Szechuan, pp. 9-95, by Mangven L. Y. Chang.
- No. 3. 秉 志, 半指蜥蜴舌部之解剖
Anatomy of the tongue and its adjacent muscles of *Hemidactylus bowringii*, pp. 97-111, by Chi Ping.

Vol. VIII. *Zoological series* (1931-1932) (Continued)

- No. 4. 王家楫, 南京之變形蟲
Notes on Amoeba and its allies of Nanking, pp. 113-136, by *Chia Che Wang*.
- No. 5. 張孟聞與徐錫藩, 四川兩棲類略記
Study of some amphibians from Szechuan, pp. 137-181, by *Mangven L. Y. Chang & H. F. Hsü*.
- No. 6. 倪達書, 南京湖蛙腸內之纖毛蟲
On some internal ciliates from *Rana limnocharis* Gravenhorst, pp. 183-199, by *Dashu Nie*.
- No. 7. 張孟聞, 浙江兩種蝾螈記
Notes on two salamanders from Chekiang, pp. 201-212, by *Mangven L. Y. Chang*.
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五 學術機關之聯給

本所自倡立之始，即得各方之贊助，其關係尤爲密切者，厥爲後起之北平靜生生物調查所。其在本京，則本所技師，常兼受中央大學之聘，設教授課，以啓迪後進。該校年費鉅萬，藏書甚多，儀器藥物，亦略有設備，時得資借，頗與本所研究以利便。該校師生與中央研究院自然歷史博物館技師，亦常來本所資假標本，參考圖籍，以研討學術，已略見前述。此外本京及附近諸省之中學校生物學教員，假期中亦時有來所與研究人員朝夕切磨以增求新智者。本所每週或隔週，輒有生物研究討論會，述說業績，質問疑難，金陵大學金陵女子大學中央大學各校師生，亦常來參與此會，共爲研討。本所研究人員，既常爲所外機關鑑定標本，又時時乘採集之便利，爲各處蒐羅遼省花木之種苗，若中山陵園，江蘇造林場，浙江西湖博物館，四川中國西部科學院等，俱曾資此利便，以爲彼用。至若以旣得標本互相交贈者，則關涉尤多。就國內而言，有北平靜生生物調查所，開封河南博物館，四川成都大學，中國西部科學院，南京自然歷史博物館，中央大學，金陵大學，上海聖約翰大學，浙江西湖博物館，廣東中山大學，嶺南大學，與香港之香港大學；國外有美國自然歷史博物館，杜達雷植物標本所，安諾德植物院，英國倫敦博物院，德國麥格達堡博物館諸處。凡此皆舉其著者而言之，此他繁瑣，不復贅陳。而本所發刊之研究論文，常年寄發遍國內外，不僅爲廣播聲氣計，抑且以邀其投贈也。凡所寄貽，約七百許，列舉于

附錄三。

未來之展圖

本所當努力致志者，厥爲生物學之研究。十年以來，所以負趨者，雖未嘗有違初願，而以資用絀乏，成效不宏；且研究所之本原不固，基金無着，每屆預算終杪，輒皇然不知後來經費之能持續否也。給養之餼廩既有不繼之虞，則研學之志意自以紛擾。中華教育文化基金董事會，幸而年年惠予借助，假或偶有變故，則此苗而秀者，不將蹙然以萎乎。植木不深其根，開流不浚其源，要非百年長計。以此缺失，未獲展其雄圖；而自來究治所及，遂僅能偏于物產品種之調查。雖曰事會所趨，而經濟之竭蹶，實爲其主因。且學理之研討，要當各科均其榮枯，無所偏頗；抑且不局限于純粹科學之探討，亦當進而求應用技術之譚究，俾學以致用，用盡其利。邦人君子，倘能嘉其往蹟，許以方來，贖聚財用，固其基原，經常有託，薪膏無憂，則所企圖，庶幾可以計程踐績歟。用述計劃，略陳大概：

一 中華產物種類之調查 中華產蓄宏富，品種萬殊，歷年以來，雖頗有所採獲，而皆偏于東南；卽此偏陬，亦未嘗深入邊荒，盡力搜羅。此緣財力不豐，未能支久旅遠，故曠日經時，而所得不多；搆歸本所，又以研究人員之寡少，不克盡爲考鑑。其所成就，自屬迂渺。若經費能爲擴充，此後擬多遣



本所採集隊在炎亭海口與當地人士合攝之影



溫州炎亭之海口

採集隊在浙江平陽城外



採集隊在普陀



溫州城外



在南京長江江邊之本所採集隊



金 魚 園



豚 鼠 園

採集人員，窮搜遠獵，先盡江浙閩贛諸省，循江以西至雲貴川康之域，沿海上下，抵登萊瓊粵之涯，然後捆載來歸；而所中研治學人，亦當踵事增聘，庶幾科有專職，責有攸屬，標本既集，品種即明，物無屯留，言皆有物，兼程並進，則國內生物種類之調查，自可早底于成。

二 模式生物之形體研究 國內教學者，舉物釋理，輒取外域之例；而本土所產，頗有殊異。故各門動植物，應有人善爲董理，舉其模式，詳爲解剖，加以圖釋；不僅以明物體構造之詳細，抑且示範後學，肆應攸宜，則關於形體之研究，不容或緩也。

三 生理生態之探究與實驗 生物學之殊異于衆學科者，以其研究之實物，爲有生之倫，不是枯寂死物也。故先明其構造，次當致力于生理。考其飲食生殖之宜，然後乃能知其治生謀存之道。凡自然界所影響于生物者，固當尋繹其原；而實驗室中，又當造作環境，以視其適應之方。取資于鼠兔馬牛，而人身疾病療治之術，因以昌明；察微于稻麥黍稷，而百穀農產豐收之望，得以屢愜；則是生理生態之研究，不僅有益于民生國計，抑且大有助于祛病健身也。此一方面之探討，亦爲本所亟欲展圖之事業。

四 京滬兩博物館之擴展 好隴異卉，皆知玩賞；麗貝明珠，盡欲收藏。蓋此異物，自足招人愛悅也。以此嗜好，以啓其向學之心，則博物館尙焉。本所既已設陳列室于新廈，上海科學總社又新啓博物室于三樓。以後陸續採獲，擬分別展陳于京滬兩處。以上海爲通俗博物館，但取壯偉美好者，展鋪滬社；

而京所則略偏于專深，每一品種，必選一模式以供衆覽，俾研學者得以實物比並，考覈異別，無所謬失。

凡此四端，僅舉其舉舉大者，而品種調查，有需于採集；形態研究，有待于解剖；生理生態之實驗，須藥物儀器之設置；博物標本之展覽，須櫥箱玻璃之購備。而學人之延聘，書籍之添置，以及新廈之增建，皆不可或省，而在在有待于經費之資助。若本原不固，經常資費猶且有中斷之慮，則頃所成就，猶且或虞衰散，更何況于將來之發展乎。蓋延續展揚之偉業，惟有期之于邦內賢達之慷慨捐助矣。

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Australia.

Royal Zoological Society of New South Wales,
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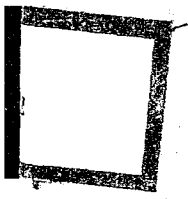
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