Proceedings of the Musical Association

Musical Association (Great Britain)



IN CONNECTION WITH THE INTERNATIONALS MUSINGESSLASCHAFT.

PROCEEDINGS

OF THE

MUSICAL ASSOCIATION

FOR THE INVESTIGATION AND DISCUSSION OF SUBJECTS CONNECTED WITH THE ART AND SCIENCE OF MUSIC

FOUNDED MAY 29, 1874.

TWENTE-SEVENTH SESSION, 1900-1901.

ALL ADDATE ADDRESSED

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CONTENTS.

"Он так Моллон, Інтироблиона калена и слатана Матала, Рамлиял" Ву Вак Јоки Втания, Мак.D.	
THE TEACHMAN OF HARMONY AN A BANK OF EAS TRACTINE." By PARCE J. SAWERS, NUR.D.	
"Ten Bernden?" By Accesses S. Ross	-73
"Mino: 480 MORTANA OF THE WALLOOK PROVIDED BELIEVE." By W. W. CONNETT	
"The Constan Recomment" By Jonara G. Damer, Mun D.	109
"A 17th Contrast View or Mession Environ-" By Six Pageousce Derror, Mus.D.	191
* The Automatic Treatment of Book's Orion Nores," Dy H. Harmont Stations	19
* MERSONNE' EARS," By Miss Mission A., ELLIS .	171
"CREMENTERS IN HAMMON," By HAMMON WESTERSY, MOLD.	192
Internet Management (The of Barrel)	

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RULES AND REGULATIONS

Pessed at Six Special General Meetings, held on February 7 and April 3, 1076, on Fessarry 6, 1879, on December 6, 1886, on Fase 8, 1890, and on Fassarry 7, 1855.

OBJECTS AND CONSTITUTION.

 This Association is celled the "MOREAL Association" and a famode for the investigation and discussion of arbitrat econoccus during the Art, Science, and Hinaayy of Marke; and in interacted to be eitnike in its organization to existing Learned Sciences.

It is not intended that the Association shall give concerts, or indicitals any publications other than those of their even Proceeditory, or the Process and at their Neetings.

MEMBERS.

a. The Association shall consist of practical and theoretical muticians, is well as these whose researches have been directed to the actence of accounts, the history of the art, or other kindsof subjects.

Any person desiress of being similard into the Association must be proposed by two members. Provingeness resident aboved and distinguished in the Art, Sciences or Literature of Masia may be consistent by the Consell for election as Honoary Kombus of the Association.

Electors will take place by hallot of the members present at my of the ordenary mechanys, and one adverse vola in four shall exclude.

No newly elected member shall be collided to attend the meetings until the accessi subscription be paid.

SUBSCRIPTION.

a. The survail inferifields to the Association is an group, which shall become far on the star of Newmber in so and year. Any member may, upon or it my time after slotting becomes all the survival of the Association by propriets of a compatibility of the star of intera starts indering part is in addition to they around a sharing part of the between the large starts of the starts of Theorem to be wronder in light scenary in the starts of Theorem to the scenario of the local.

Any member intending to range his membership shall wightly his wish by notice in writing to the Secretary on or before the gast of October, otherwise he shall be flable for his subscripting for the second year.

MEETINGS.

4. An and/mary maniful shall be bald on the second Tounkay in every month, from November to June industries, 48 p. 84., when, after the despatio is dominary business. Papers will be read and discussed, the reading to commerce not before than two.

5. An annual general resolution of members only shall be held as the end of the featural year, to receive and deliberate on the Report of the Constal year, to receive and deliberate effects for the ensuing year.

6. Bippelal general needings may be rownsmal whenever the Oracial may consider it measures, not they shall be stall times board to do so an reasivery a requiritien is withing from frow members, specifying the neuron of the balances to be transacted. At least one weak's notice of note appeal accelling shall be given by circuits to every members, and ten members passent at any general insetting shall constrain a 60000m.

 Every member shall have the proflage of reiroducing one variant at the colleasy meetings, on writing the name in a book recorded for that persons, or secoling a written order.

COMMUNICATIONS.

 Papers proposed to be read at the meetings may trast of any subject connected with the Art, Science, or History of Music, Accurates, and other kinderd subjects.

Papers will be reacted from or through any member of the Association.

Experiments and performances may be introduced, when ferrind to the Hustingian of the Paser read.

9. All commensations read will become these effects the property of the Association (values there shall have been seen previews arrangements in the contrary), and the Consell may publish the same in any way and at any time they may think preper.

REPORTS.

to. A Report of the Proceedings of the Association, including the Papers read or abstracts of the same, and abstracts of the Discussions, shall be printed and distributed to the resulters as soon as room file other the and of cash assolve.

This Report will be arranged and edited by the Secretary, under the dreamen of the Council.

COUNCIL AND OFFICERS.

11. The management of the afforts of the Association shall be vested in a Council, to be elected by hallot at the general meeting of the members.

The Council shall consist of a President, Vace-Presidents, and ten ordinary members of the Association.

The Secretary of the Association shall be an affole an ordinary member of Donasil.

The President, Vice-Presidents, Auditors, and five ordenary members of the Council shall retire every year, but shall be slightly for re-sitetare.

10. At the annual general meeting, the Council shall present a building lat, showing the names of the process

STLES AND REQULATIONS.

when they propose for the offices of President, Vice-Presidents, and codimary members of Goustil for the cowang year. A copy of this list shall be given to each member present.

In vertice, each member may exam any name or assum free this holizing Bin, and may exhint its the names or names of any other period or permits whom he considers shiftly for each respective Slice, 1 set the results of assume so the lar, thereach encourse or substitution, was not assued the analysis to be elected in the respective office as a labor construction. These that which do not account with these directions shall be related.

The Chainson of this meeting shall ensure the halfwing papers to be sublication, as duth the physich beas constroled by historical rates consistences, ho supplicated by the numbers, he shall rapper to the meeting the result is wind constrained, and shall be descrip the halfwing appers. Audions shall be appointed to the second general meeting by the meshaw, and has discussed at facescent shall be send by the Theorem to the Ardikines and Dermit half the physical barriers to the Ardikines and Dermit half the operative of the Ardenizian's half dermited in player of the properties of the Ardenizian's and the preparative strengts have another the Ardenizian's strength of the preparative strength has a strength of the ardenizian strength of the preparative strength has a strength of the ardenizian strength of the preparative strength has a strength of the ardenizian strength of the ardenizian strength has a strength of the Ardenizian strength of the ardenizian strength has a strength of the ardenizian strength of the ardenizian strength has a strength of the ardenizian strength of the ardenizian strength has a strength of the ardenizian strength of the ardenizian strength has a strength of the ardenizian strength of the ardenizian strength has a strength of the ardenizian strength of the ardenizian strength has a strength of the ardenizian strength of the ardenizian strength has a strength of the ardenizian strength of the ardenizian strength has a strength of the ardenizian strength of the ardenizian strength has a strength of the ardenizian strength of the ardenizia

13. The Consoli and offseen shall meet as often as the humans of the Association may require, and at every maning three members of Council shall constitute a quoran.

ENACTMENT OR ALTERATION OF RULES AND REGULATIONS.

14. No rules and myninfices can be exacted, sittered, or reacteded, except at a special meeting of meetines summaned for the express perpose, the unscenses stating derivatily and fails the matter to be howship under considentian.

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MUSICAL ASSOCIATION

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MUSICAL ASSOCIATION.

TWENTY-SIXTH SERSION, phus-rate

REPORT.

THE ASSESS ODSTEAL MEETING WAS RELO OF TURIOUS, 1978 NOVEMERS, 1900, 87 TER ROUA COLARGE OF DRAMMENTS

for loss STATES in the Chain.

The following Exchange of the Council was used by the Econders

Tax Council beg leave to present to the Annual General Meeting, is accordance with Role 5, their Report of the 20th Strange, rifes 2000.

In the course of the Barkine, papers have been read by the Jusciel Goldson, Dr. W., G. Hollweigh, H. R., Honry Newmann, D. W. H. Courrenges, and M. J. F. K. Benny and M. Coursell, and the Course of the State of the State of the generative with which these after writes have placed the section of the place of the site writes have placed the section of the spectra of the site writes have placed the section of the spectra of the site writes have placed these placed of the site writes and the site writes have been placed and difficult of the dimension therein. In these placed of difficult of the site writes have been difficult of the site writes and the site writes have the placed of difficult of the site writes have been writes and the site of the site writes and the site writes have the placed of difficult of the site writes have been been writes and the site of the site writes and the site writes have the site of the site writes and the site writes have the site of the site writes and the site writes and the site writes have the site of the site writes and the site writes and the site writes and the site of the site writes and the site writes and the site writes and the site of the site writes and the site wr

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REFORT.

The membership has mercaned during the year and the atrearth of the Association has been well resistanted.

The Courd have with grout aport, to second the loss by death of Sir George Green, C.B., Mr. George Cockle, M.A., MaaB, Gam, Mr. Buttmen Hayren, and Dr. Janes Taylor, New College, Onder,

The Financia are in a way safakeney confision, far norwithinshing that heavy exceptional expanses have been focurred, the balance is hard in affl over 150, while, in stafflines, 510 has been expended in raising the invested fixed to the size of the Gravale.

In seconstance with the Rain, the Provident rate Wei-Prediction treffs one close, *Proc.* solving Methods of Council Me, W. W. Cableng, Me, Myles H. Painer, Dr. W. G. Weith, W. W. Cableng, Me, Myles H. Painer, Dr. W. G. Woods, Mio reiner, Januara, and Henkow, efform a tree skiphls, in the V-treerer tens are after branch for molection. The Council and the Holmony methods are selected as the Council of the Council of the States of the States (1996) and the States of the States of the States of the Orderary Neuristics of Channel as Infense, her wells Mo, J. & Jolie Makhon yielding, D. Anomes, The Yashi as an effect on the States of the Stat

In the versus, table member may exact any came or names from the holding for and may solutions the vacuum or names of any states perma or permute where he considers eligible for such respective effect. In the member of member we define a such respective effect, here the member of member with the risk erange or advertation recent on knows of the inithe risk end of the surgestion effects as show conserved. These lines which to not accoud with these directions shall be equival.

On the motion of Mr. Blaithry, accorded by Mr. W. H. Beener, the Report was adapted. The Mrs. Transmurch Elementer of Accounts was hild

The Mee, Treasurer's Biasement of Accounts was laid before the Meeting, and passed maximondy, on the motion of Mr. C. Welch, exceeded by Mr. Arthur Fee.

Dr. Molean sowed, Mr. Deeper seconded, and it was readved : "That the General Meeting approve of the action of the Coupled in having, as a special enes, as the Ath Jame, appo, admitted Mr. W. H. Hadow to be a just hie member of the two compacted Societure."

The rearing Officers were re-elected, with the exception of Dr. Vizcuni, who did not offer binnelf for re-electron. Mr. J. A. Puller Mathinsi was elected an Ordinary Newber of Desard

The Meeting closed with votes of thusks to the Officers and in the Charges,

NOTICE.

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Papers or short communications for the Moniby Beetings are recorred from or through Mambara, these and suggestions as to asitable subjects and capable written will be gladly considered by the General.

Monthans are denied to make the Association and its objects as widely known as possible. The Security will forward Prospectures and Nomination Perms on application.

Members preferring to do no can pay their subscriptions through their Bankara. A form for this purpose may be obtained of the Scoutary.

Any charge of address should be preceptly notified to the Secretary, as considered completents of the non-societ of books and notices are usually traceable to other old or manifester addresses.

SPECIAL NOTICE.

At a Restal General Meeting held on Palewary 13, pape, the following Resolution was pared? - "That the General he and its hamby serbatismic to add to the fifth of the Menical Association on its publications and properties of the Menical Meeting and the served in the consection with the International Meeting and the Section of the Section of the Section of the Meeting and the Section of the Section of the Section of the Section of the Meeting and the Section of the Se

The Bedrah Governme of the latent Bocity (International Mineral Bacony) cases of a Fin Holen Pare (Proteindro-Mano Bacony) cases of a Fin Holen Pare (Proteindro-Mo. Data Galakaniviti (View Forekast), Bir Frederick British, De Courseney, Mr. W. H. Holen, St. Hokessel Makasano, De Mathan, Hr. Fisiar Matinada, Dr. McNreigh, Probase Nakah, Polasse Priva, M. Baingl picture, Probased Budderick, Mr. Solieff Tyrkin. The Booley publishes a sensity Journal and parasity Hystophica courserup (Brangarster, with Hole dynt) of operating (Institute relations Budderick Budderick Anto Bolly (Brance Bacher), Balance Budderick (Brance), Balance Mathan (Institute), Balance Budderick (Brance), Balance Mathan, Balance Budderick, Balance Budderick, Balance Budderick, Balance Mathan, Balance Budderick, Balance Budderick, Balance Budderick, Balance Mathan, Balance Budderick, Balance Budderick, Balance Budderick, Balance Mathan, Balance Budderick, Balance Budderick, Balance Mathan, Balance Budderick, Balance Budderick, Balance Budderick, Balance Budderick, Balance Mathan, Balance Budderick, Balance Bud

Owing to the larg-standing position of the Monital Association, members that of are admitted as members of the IntermemberMasking Society or very special introwhich can be accentered from the Secretary of the Musical Association. THE MUSICAL ASSOCIATION.



PROFESSOR SIR]. FREDERICK BRIDGE, Mrs. Dec.

THE MUSICAL INTRODUCTIONS FOUND IN CERTAIN METRICAL PSALTERS.

Taxas Introductions, Directions, or Principles, as they were its these was want to may a straight harmony. All y same an interest providerly their own, as flastinging the affords made be dealt with lightly, but worthy of actions stally. Then idea fashion to affix screething of that test to every Paales book printed, the contents are none the lent interviting, on he many is such that the various methods of machine ment in varian dature this long period. We can trace efforts to recerd with key, tirnet, we discover the source and reports of around systems of collegger; and incidentally, we can read thread at has been quite unobviewenty recorded, the story of the has been quite understanced reactions, and stary to the mind even when it has become obusies and realizes. Mon

Let in begin by kolong into our English Peakers. You are all owner that the ferred Thomas Sterehold was General of the Robes to Henry VIII., and that he first began to verify afforts came render the nonze of the young Prisee Edward. afterwards Edward Vin who encouraged have to pressure in and his to workers you have only to refer to the admirable articles in Jelman " Dictionary of Hymnology." It will soffice of I sumiad you that our sational mercial Dualage were issued at first in untalweater. Sternhold tablished store

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* About money from any given in the body of the body, the gaps being field up by an "Addition," which the options in the galaxies in digitized control by different bands. I can much indicated to Posterious West Systems, Education of Chest Chards, for allowing me to exercise show two anoption of the systems.

and proclem instants. T Interface instants that the "Short Introduction " did not recorption after 1977. It rescaled to great in the live addiess of 1978, though not in the site offices of the same data. On Manual Introductions in partness Metrical Positiers. 3.

⁴A SHEET INTRODUCTION INTO THE GENERE OF NUMBER, NAME FOR STON AS AND DEBLACE TO INVESTIGATION LARGE VIELNESS, FOR THE SINGING OF THESE PLANES. ⁵ For the role & longerty of more plan with more.

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¹⁰ To yourd Measure that the interes sacceding as the Me band of the Tables see table Asymptotic or Chans, or Write, the first as Gradu latter, signifying p, and is called *Gausse* of p vision prevision. Table or subset with Chanses of p these repetings that are table as the Chanse of the these repetings haven signify beginning as and the third interaction of the Chanses of the Chanse of the Chanse interaction of the Chanses of the Chanse of the Chanse interaction of the Chanses of the Chanse of the Chanses interaction of the Chanses o

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The knows of this Scale or table ar decided and set forth hu thre disers orders of letters. From Gamma, st, to G, sn base or carefall Kipes, from G, sel, rr, rt, to r, aci, rr, rt, they are written with small letters. it are called means on small haven- and from r. od. re. ed. to er, in, they are written with double lotters, & are salled double kases, and treble loves. When a character is know to be of one letter, an rat difference and distinction between theral cal the one capital, G, or G, as, so, or, the lower and thether small s. or g, sal, m, et, the higher and so of others. They are called arees because they open, as it were the dore, and make away into song, for by the sight & place of ye kny we shal hnow easely the whole song, the natare of every note in what kay or place it standoth, it hows ye shal name it. Ye or rules, and other are set in spaces between ve lines as easens of, is set in rule, s, re, in space : b, sm, in rule, e, is. er. in space, d, sal, er, in rule, & so ascending to thender so also in the songes of your boke, ye see rules, & spaces, so the same, which ye may easly find out, either by saccoding On Manual Introductions in certain Matricel Publics. 4

m decreating from the large set & surface in pose away functioner if it is to be novel, that that was not informed by and the large set of the large set of the large set of the pose of the large set of the large set of the large beam all pose multi-large to beam right of none one that novel beam appeared to have been set of novel beam of the large beam and the large set of the large set of the large set of the single set by nove instrument of Monyles, in the single-large set ones either and large.

a which which that not. • Which then well surrock, yo shall proofs no other teaching of any. And for a physical horizing there, it is the set barror, year of the analysis of the set of the set of the teaching the set of the set of the set of the set of the teaching the set of the block. For these two samples well that due timed a well allow, will work the set attaced with. Set of and a swall halow, with well attaces with set of the set of the set of the set attaced with.



The proof of the second secon

6 On Manual Introductions in certain Metricel Problem.

started know, after they port; r. aci, fe. et. b. fa. W. m. c. in. mr. rr. G. col. re. of that your first pote standeth in G. us find the third note to stard it A. fr. of me. which we shal expresse by sal. The forth standards in yo started hay or alcase wherfore it standeth in e, col. fe, st, which ye must expres by fe. The aft in d, le, sol. H. & H to be expressed by sol, yo seete & highest sole, yo shall by according from your key find to stand it. s. is, so, & it to be expressed in water by is, so have you whole of veve, ve acceded, so contrariwite, ye must descend til t, An, W., mr. 15 forgard & sarred in this mamer, with this whice or note for both if it he forward it stored with this forme X, whiche is called 6, charpe, or it have no sign at all, then recet we expresse it in straine with then voice or sets an. scher krye, waarner ye moo ir, water tre va. 0.00, tr, C. fa, at, F. fa, it, rear fe all re, et erane, o sal, fa, et, f, fe, ti, kerp, r, ol, rr, vi, therp, secondar vo to le, & descending as in your farmer example. These .via second ascentites & descentance, ypen disors greends or clears at contractly called of writes, yo, deductions, which we may plainly and distinctly behold in your table or scale.

Ye have also in yours songes diturns formers & figures of notes. Of which ed, it behavesh you to knowe both the more and value. On Maxical Introductions in certain Metrical Paulters. 3

DRUGHT PORMER OF NOTES.

.......

The first of these is a Longe the second a Long. The third a builds: The fourths a Southeral the fift a Minine. The sist a Crocket. The scenesh and last a Onance.

"The nucle is ween in value two of the access, that is, two longers in all one Long is worth two Brens and cone Brens, is two Scrabresso and are Scrabelly, two Mission, and that twise the fixe is presenting it is singing that the Missione halt, one Missione is wenth two Coolects, and one evolution the result of sure in the Table fiberiant.

To you Beater.



If there chauses any pricks to bract by anys of these noise, the pricks is worthe in value the nois nexts following it. As a 8 On Musical Introductions on costnin Metricel Paulters.

prick not by a Sembrane, as down and it is worthe thys note, if whenks is a Minima, and a prick by a minim solution in worther a in There are also obtainers in the dot.

Photosis or roists, sci in sough, sometime for case of the singer, and county stay of the stopp, nonrelines where there parts ar, for swetcreic of the Homeory & apt regations & reports, which are agentified by Justie strikes or bare, or here, or held areas, betware rules as thus, The first, drawn from the fyrit has to the thirds?

MILLION OF

a called a long root, and applicable their provide strategy of the strategy

"Who site as a full and alwards knowings of the stature of the people, the difference between some and halds zone, and halds zones between thermalous, of staturals, properties, designs, which respectively the status of the status of the people status and the status of the status of the performance of the status of the status of the status performance which there as in the two the status of t

Several points of literents at once present themselves if we have in a root that situs hirds investigation of the several that years before. This, Moriey's – Plante and Esner literaduction. "This expression approx by a, or signing a by, as a financial term of ear satelial word agreentee." But our earlier with user the wordsh off, by, and ever rather indisOn Maximi Introductions in certain Metrical Pastiers, q

eriminately. For example, he calls all the letters of the he pashon is itera . he speaks of the C and F olds as bess : he uses a sirved key in commonly called the cleane, lastly, he letters, meaning of course two actes. The word here of a stave had not yet displaced the older name rate, and they were reclaned from the top downwards, the first rule becoming to superiode the older units : our unknown at the apender of the "voyor or note fr." but he also speake timester, of the "order of notes and sound of voyce. abowing that the word note was soon to be confined to part day we now nay, a dry spet, fig.). We can trace the the compass been extended two notes Nigher). We find no Part II, they are utreduced onto the spectments of Descard, without any remark. The word read which computely many a note (prick acar signifying written or printed eresic). a dat. We see here also the participantary ferras of our bares " how one line to the half space underweath" our days retains its position ander the fine, though the

The results and which is results in a rule resource of the second state of the second

30 On Musical Introductions in certain Metrical Paulters.

cannot be surprised that the "poor, unlearned, and rule" descended some much simpler method of arriving at the art of manual the more melodue of Paske-tenes.

Recipren had already grapping with this shifted as early as 15,00 pixels and by shifted as all such cost, this tendence all such of the knowledge and before this feedback and the shift of the shift of before this feedback years in the source of advice to be the shift of the shift of the shift of the shift of packer, dd not hadge this space, issued out driving the packer, dd not hadge this space, issued out driving the packer, dd not hadge this space, issued out driving the packer, dd not hadge this space. In the shift is spaced as the rule and makarand was clearly more than they can be rules in a shift of the shift of the shift of the shift of space.

Consequently, may years later, namely, an agry, we find this learned hattochestina turned out on make room for a short Predice of date pape, memby pointing eat how very bitle trouble is required anyw that the final latter of the softs name winds by the soft of every rote in the pointer. I now row the Predice.

" TO YOU DEADER.

"These shows understanding granular Roussian that is howe due to the large of those situates and obtained to instance is the synthesis and any strict of Next to be smaller with Nextons is the synthesis is the strict of Next to be smaller with Nextons is the synthesis in the strict of Next to be smaller with Nextons is the synthesis in the strict of Next to be showed and the synthesis in the strict of Next to be showed and the synthesis in the large strict of the strict of Nextons in the synthesis in the strict of Nextons in the strict of Nextons in the Synthesis in the strict of Nextons in the Synthesis in the Synthesis in the Nexton in the Synthesis is the Synthesis in the Synthesis in the Synthesis in the Synthesis is the Synthesis in the Synthesis in the Synthesis is the Synthesis in the Synthesis in the Synthesis is the Synthesis in the Synthesis is the Synthesis is

10 10 10 10-10-

Sel Fa My Re Vt

On Manual Introductions in certain Matrial Positiers, 11

Thus I commit they voto hars that leasth for ever, who grant that we sing with out horizon to the gloricol his holy norm. Amen."

The simplicity of the system second as encose, for, the editions having these latter notes appeared (after 1570, Bvc.); in 1571 (7), Sva; 1575, 486.

In 1977 the learned Introduction appears again; but in 1981, a 400 edition contained the Prelice, and letter-notes, while as two officer recordened the Introduction

This was followed by later-note editions in 1989, 400; 1994, 400, 1998, 400; Mag, 40, the notes being latered up to Paris for, and family in clock and

B Plant 901: An answer were not interviewes," and "Introductions to the science," discovered from "Sourchard and Hopkins," The book inset libercere, while we without its pathn ones maloties, lived on, overlapping its "Allowed," you "authorsed" sciences, the New Yennes by Tate and Bredgi, and an der disch a hard death in 1858, having passed threach house for editions.

Integrate sold, contributes the tensional interventions in some with the probability of the maximum and the solution in and the solution of the solution of the solution of the maximum and the solution of the results of the solution of the solution of the solution results of the solution of the solution of the solution results of the solution of the solution of the solution results of the solution of the solution of the solution results of the solution of the solution of the solution of solution. The solution of the solution of the solution of solution of the solution

a balant, their principage. For Partice Division, allocations of the principage. For Partice Division, allocation, and an experimental principage of the principage. The principage of the pr

 9 Me. Waldwige, as to adversing study as Pathers in Gauss Sections, strate in the oblice of gas to strategistic interactions and base non-relative interactions and base non-relative interactions and the states and the states of the states. The Societan cargo of the oblice is cargo in the web label, but is non-relative interactions and different states in the Dirich Atenam have here the label, is in the state of the states of the states of the states of the states of the state of the states of the state of the states of the

T it with its express range grantset to bit. Althout Lablace for phong here expression of the same base is a range grant grant grant to be an experiment of the same base to be a same base of the same base to be a same base of the same base of branches, the same of the same and branches and the dense of the Weight Review de same and branches and the dense of the Weight Review de same base of the same of the same and the same and the same of the same and the same and the same of the same and th

vit On Musicus Investmentations in certain Metrical Paniferz.

The stript constants by pointing on the difficulty order to constant back for the stript constant haven, and the stript of the stript constant haven be also been as a stript of the stript constant haven been as a stript of the stript constant haven been as a stript of the stript constant haven been as a stript of the stript has plane as a stript of the stript constant haven been as a stript of the stript constant haven been been as a stript of the stript constant haven been been as a stript of the stript constant haven been as a stript of the stript constant haven been as a stript have a stript back on the stript of the stript constant have a stript back on the stript of the stript constant have a stript back on the stript of the stript constant have a stript back on the stript of the stript constant have a stript back on the stript of the stript constant have a stript of the stript constant have a stript of have a stript back on the stript of the stript constant have a stript of the stript constant have a stript of have a stript back on the stript of the stript constant have a have a stript back on the stript of the stript of the stript have a stript back on the stript of the stript back on the stript back on the stript of the stript back on the stript of the stript back on the stript back on the stript of the stript back on the stript of the stript back on the stript back on the stript of the stript back on the stript of the stript back on the stript back on the stript of the stript back on the stript of the stript back on the stript back on the stript of the stript back on the stript back on the stript back on the stript of the stript back on the stript of the stript back on the stript back on the stript back on the stript back on the stript back o



These eleves segas are to represent the eleven regular degrees, or datcest steps, of the voice of a rear.

Due to the left dues, i.e., a, sincipi the ick moves new to be ange "typ due" (by that is monan of course, is the walk or set is a sublock]. Due to the right ngreef, but the notes are to be many an due "typ due the due of a guest" (the the notes are to be many on due "typ due the set of the that the resets is "to issue analysis." He explains the "characsets" is words which themselves require requirements, for her adde that "massicane say that it is not to hard an due to the typ query thread thy due can be "the set of the typ query thread the typ query thread the typ query the set of the typ query thread the set of the typ query thread the typ query thread the typ query thread the typ query the typ of the typ query the the typ due can be the set of the typ query thread the typ query the typ query the typ of the typ query the typ of the typ query the typ que

These early support that these restricted [42] both spectra the spectra of the second spectra of the spectra o

Or Number Lettersheaters in orders Network Pailors, 13 for a rest, and also for the probagation of a sound. The susception that for hear syster had a company of an assumption that for hear syster had a company of an generally accepted. Let us this for lines and as hear Downzold water include:



If we place a Seprana claf on these lines, the compass will extend from b to c, thus-







If we place a Tenor clef, it will extend from a to P, then-



It will be seen at once that the remneral remains fixed but that it has to do daty for three distinct sounds,

Mud Davaness neved his number 1 with the hexchapts, or with the clefs, he would have fortifalled the manetical system of Rosseau, so much used to the day in Frazes, and advecated by many in this constru14 On Munical Jetroductions in certain Metricel Problem.

The difficulty and absurdity of Davantas' system may also be above at a starses by the following diagram.----



(These are the only ciefs he uses.)

The general result is that Deviates' numerical system, for foon samplifying messical notation, creates an aberrative which is tokaniby difficult oven for an expert monitors to matter, and weeds certainly be most occlosing and passing to any surfaced parameter.

The reasons of minimum. The reasons of minimum hexaclards and matabias with a memorical manuement matabased from three approximations public, owing to the use of Xord covarish with a survable of the the provided of the second second second second of the the second second second second second second management of the second s

These submits these compains one as to subMit the one of the first offset, for earlier if one and the first offset of the subset above. These compains of the protocol different likes, as observe above. These comparisons of the protocol dimension of the subset of the s

Devictes only prints the manue over the fret statum of each Postu; his measured system alone is placed over the remaining thatase. On Maximal Introductions on cartiers Material Publics, 15



66 Oc Munical Introductions or certain Metricel Paulters,

BENERALS OF PARLS XXVIII.

Notice that the first softing is seclosed from the hexaclosed commencing on middle $c(\phi)$, thus the first note is set, her phases observe that its numerical or 6 although it is the fixed of the hexactored from c'. It result be called No. 6, because No. 1 is unversible the system below the incres.

Laberatory of the restoration λ_{1} , λ_{2} before the later three states of the state of t

The next the set of and yell fields of the set of the

Observe the next for his somebrase rest. (1)



On Manual Introductions in certain Metrical Publics, 19

Observe that the true code on Re, this reack (other sciencing) with the nodes rep [is incritically. The which matching in Mypo-Declars transport is the last note in an legitimese First. On the 16 hand shife of the heading of the Paulu yaw will have noticed the app, $1 \rightarrow -\infty_{\rm T}$. This is intended to point so that the heavechered conversion on the assessed v is intercharged with that beginning on numerical \bar{v} with a flat dath both heavechered. Thus, v = 1



On the right hand side of the heading of the Peales you will have seen j_{-} . This is to show the compass of the twar, which extends from the prosition of the reserval j to that of the note represented by a, the dox on the left sheaving that the is miss. Thus,—

Pauliers.

2 dia interes
On Manual Introductions in costain Metrical Pacifiers. 10

REMARKS ON PALM CXXIIII



The sign on the right of the handling shows the comparison which actuated hows his sectors and to be appendent by the probability of the sector of the sector sector is a secence of the sector of the sector sector sector is a sector probability of the sector sector sector is a sector sector of the the same sector sector sector sector sector sector sector secence sector sector sector sector sector sector sector sector the sector sector sector sector sector sector sector sector probability of the sector sector



the we being only used in fatare for the leading-sute of a scale, and al and re entirely discarded.

C 3

- in on per ter, Other per on the

On Manusei Inviculaciums in ceriein lietrieni Preilers, 11

RAMARCS ON PSALM XXXIX.

The space of antilogen and compares due not a spacer in the short factories it years in the binome of the province proference of the system is the binome in the province protendence of the space is the space of the space of the hard beginning at the province of the conversity is built in the hard beginning at the province of the conversity is built in the Mode N, and the rest is provided and a conversity is built in the matching of the space of the conversity is built in the matching of the space of the conversity is and the space of the state of the space of the state of the space of the sp

We for now in a particular to an iter day. Devotes a set offset of the theorem of the set of theorem of a far sample time, the provide the set of theorem of a far sample time. It provides we may indicate a particular theorem offset of the set of the set of the set of the set of the could be provide the set of the set

All cost direction uses of with Descents' uses generating the sense trace, these segments' built and built descent which we have the segment of the sense of the sense the orbits. The sense space is we use can be a larger than the sense of the sense of the sense the sense that the problem of the sense of the sense the sense that the problem of the sense of the sense the sense that the problem of the sense of the sense the sense that the problem of the sense of the sense the sense that the problem of the sense of the sense the sense that the problem of the sense of the sense that the sense the sense of the sense that the sense the sense the sense of the sense the sense that the sense the sense of the sense that the sense the sense the sense of the sense the sense the sense the sense the sense of the sense the sense the sense the sense problem one. The sense the sense the sense the sense of the sense the sense the sense the sense the sense of the sense the sense the sense the sense the sense of the sense an On Manuel Introductions in certain Metrical Paulters.

a few dayen, yan, in a few houren." Velicite in the course of his instructions states what at first digit slight seam rather nearestrable ; when you find notes of the sect-

· HH

• la conde faste instruct unit que la quaerre en charitatei dar characea ne vening visus manacer, o ven best, circle 4 dire, en hausere et lever de la maine. This distamente, filma a Seine hauser et la belar montation, no famor imperiante, il veni a distano por cara presentente, in la la Explain Transdoction of (304, and it is futly forme cort in the lastrations of (304, and it is futly forme cort in the lastrations (see also).

Please chorve also our author's rewark that a sembrare increal to two beats. This throws some light on the probable increase of messic at this percent.

Vullete next gives representations of the measure in which some outer than one to one aplitude are printed. The ages are of course berrowed directly from the lightness of releasance...





He mays that this sign shows that the none is to be taken a consistent above "by resident like the set of the higher than sound" ("-en column is by our any pick plan have one de consistent "-en column is a set of correction on edition in these contributes. G. F. G. its resident from the set of the in these contributes. G. F. G.

 A solutions to the Part basis of concemporary Hadrogals showy that worth wron press by pointed without separating the component optimizer, provided the most hard a pose for each synthic Hyperson are only and other reveal noise go to some splitple, and when a work is divided between the and of one line with the information of the ment. On Manual Introductions in perform Meteoral Publics, 13

When the accents (or leading note) is trucked in the exercises, Vallete does not adopt the becacherdal system and call it we, but centrary to all systems, musca it (s, itsus ----

The marked inspections which are found in ~ Die Polasse Dowls in auflert Trustede Grassregerson Frecht. Dawis Geles S strikert inschen Grassregerson frecht. Dawis den S Strikert inschen Grassregerson frecht. Dawis den S Strikert inschen Grassregerson in strikert of the attestanth convery three control a large class of persons who, howgi converts of strikert and a large class of persons who, howgi converts of strikert and a large class of persons who, howgi converts of strikert and the striker with the howgi converts of strikert and the striker with persons statistical Lie and the Parkster and the striker with persons statistical Lie and the Parkster and Strikert and Parksterge

"There are many people, particularly among those, obscated as Catholic multitations and clonical schools, who though they understand the plainsang (Chorsang), do not Arapalia Wherefore I thought at first of stouts the raciadies in both sorts of notes for all the Pasing. But when I remembered, how unwieldy that would be, and that it would way, that sould be used even by those who only know the when armore wishes to have and due the prelimbes in share, which is written in the plainsong style (Chomanga wease), and disregard the other, and sing all the notes evenily, his elaboration (Chicaster). But if anyone ands difficulty in doing that, he want write out the melodies. which he wakes to comprehend, taking only the first sumature, which is written in the planning style [Cherweise], leaving (Choracter) that he knows, instead of the Farural notes . writen; for the four cornered ones &, also for the tailed ocen

♦ this P: for these tied ones In this P. for these tied ones in this + ", for the final core of this + , and be with

\$14e, 11+1H1+++++++H+++

"Anyone wishing to turn this into plunasing, will remove the 📕 with the sign Q, and shange the notes in the way just mentioned, and this would be the result .--

Arnia, the Penitential Paalme Legin :-

SHe, Lissi,

If the Figural signature with the sign is now removed, and the notes, in the order in which they stand, are changed, the version and

As top do passes or give of assess, which as writing and the simulater (Consequence) should know that the courts, for each end passes to long it. We refers as it would have been as long of the simulation of th

On Musical Introductions in certain Metrical Publics, 55

assess rather more difficult to the lassoperimond chardner (Debrersquer), that are not ready to us if one only knowe have to know the particular character and up to d'a proce kay (hereddargament). But seems such molecules if they cours more than once. It have transpoord, to bit the obviour (Debrersquer), from the g + more to debrer particular to be frame in the molecule of the other Paalenci to all to be obfamed in the molecule of the other Paalenci to all to be obmand in the molecule of the other Paalenci to all to be obmand in the molecule of the other Paalenci to all to be ob-

"Do not dealet, that wherever has a slight knowledge of plainsong, will, by the help of these instructions, be shite to graup and use the meloders. May this then bappen to the better of Anisahty Godd which this work seeks, Anna."

The impostance of the direction that scritteress and minims are align by straiders by the same sign an platnseng I have before aligned to. The remainder of this pergraph will be very sately to students. More alito pergraph, will be very sately to students. Where the bene, "about a long as it takes to draw brash property", box sather has described in small be good to one sather has described in small be good to move a lange the about, most of as will be good to prove the process and leaves how to send the older by the movement has process.

A somewise later German Paulier, polifished in séoi, company a Preface which has an important bearing on the prefition of the Chernik Church-song, or malody in harmonitored Paulan-times. I will read a translation of the title and Preface.

"The whole Paalter by Ambrose Lobmasser, Doctor.

"Here press from the Presch composition, with the same melody and sampler of syllables disculty and charmlighy brought into German matter. Softharly, some Paulen and splittand senge of Martin Lather and other learned dyname. Now nowly near in fuer parts, so that the melody (phoral) is always in the Discard, this never having been so printed before.

" By Samuel Marmehal, musicum and organist to the town and University of Basis.

" Printed at Basis, Leiberr Kovics, infoh."

Persona.

⁴¹ I have learnt through experience that plotting the ordinary veloce part or sensal melody in the Tanos, is not estimative for the next of singing an practiced as our cheerobae, with the solutie comproparises to surg. For all brough these, nationared in music (the larger part of the comprogetice), deten lists a source of theoremizers and theoremizers are incomparison.

26 On Monrol Jefreductions in certain Metrical Positiers.

being mag, because the moledy (therein) is correled zerospintion solar verso-quirts which are none being jung above, some balaw. So a first years age 1 took many of the base balaw periods and period of the solar base of the base balaw (Discord, and then scranged the composition in such a way, but a sprose, more of woman, old are years, unknowned bing mag, but aryone, more of woman, old are years, unknowned bing mag.

¹⁰ Ard His walk of mine hough barge year mercend, have taken underview possessing hardrer of house house net. How taken the whole Phalare, as does by Ardicese Lorenze, does the makened of splitsless, transiented at transfer taken the German test — which has been in parts for there years pain—and gas test—which has been in parts for there years pain—and gas test—which has been in parts for there years pain—and gas corresponsely. In a regional in an about house how which of the congregation sings. Other compatitions, stars Fireholtese Garman, we also green hear, but in a 4 different set of the congregation sings.

Lives the index in these are predict. However, we have the set of the set of

The Walkins of Lets, 1508 and 1504, are webust any periodial instructions, to show a Reamonals, rior, although these is a short perform on the neutrino of memis, addressed is " Narroward Business," as which the authors conference that he has not attempted to study the Henree manaancess, has usen there are superschart mediate to those used in anoresis. But uses there are superschart mediate to those used in On Massion' Introductions in costan Metricel Publics, 37

the "Routino Charch who had hair offill in resultion from the Generation." Evidently Rayamersk's actions of manical harvey was rightly contacted. He pees as to key that a staff of a first is used in the Charch for "Phonashes," and a staff of 3 prices for "Specific contactions of the second of a 3, 4, 4, 5 or view, and a staff of 6 insu "for instrumental manufes as Dougan, Range, Lange, do "

The first more of Physics's "White Sock of Pasters," ign, fpt, consider its directions, new set any its his iso-Pasitors, thy iso (og and arswed, but in itsue affices (or the table its right, a few pages of instructions are priorited free argraved plotse. In these, Physical has not had the connect to screen

In these, Playford has not had the courage to again slingether the hemethordul system and ascent, but he drops the Ut, and adapts the "Fa, sol, in, in, sol, in, ni, in," for he colligation

The couplest Two and Justy's New Version's d right set Dimensional to the set of the set of the set of the set of the Dimension's the Set Setterment of the set of the set of the Dimension's the Setterment of the set of the set of the Dimension of the Setterment of the set of the set of the Dimension of the Setterment of the Setterment of the Dimension of the Setterment of the Setterment of the Dimension of the Setterment of the Setterment

Allowage set a Morcas Patter, a track too problem of the distribution of the set of the more set of the set of the set of the set of the more set of the more set of the more set of the more set of the more set of the more set of the more set of the more set of the more set of the more set of the more set of the more set of the more set of the more set of the more set of the set of the

* This use of the word * phonon! * for an unsuccesspatial angle-word part is furtherable to not us in a conclusion. It presents the develop is, not presgonnerable for these develops, an exercising of the word is in the development. The tase of * appropriate * for participing is even these particulate word word concrete that are strateging in even these particulate word concrete that are concrete that both tames are develop. 28 On Museumi Introducturas in certain Metrical Paulters.

See, and applied no, the prosvering of PSALMODY, and huminod with viruly of PSALM TURES in Petra, with DIRECTIONS for that kind of Singley. Lineased Jan 29, 1450 Bob. Midgley, LONDON Privato See William Regers of the San, agreest St. Dansma's Charach in Pitest Street, 1661."

That address force, considered of the system correct in The address further considered of the system correct, and the That to form permises for a discrimination of the Prickelinger permits reasons (not det calibrication) and confidence in the Methad commonly tanght, whereas the following Paticulator mathematic that force orders to be following Paticulator mathematics that force orders to be following Patliculator mathematics that following the terms of the following Patticulator mathematics that has been deriver to a station to endedowney.

" 1. At first sight, we have presented a bong Beall-rall of hard and unders names, in he cann'd backward and forward in the Garran.

*2. When the drudgery is over, follows a worse, to learn differing means of the notes, according to the several phone of Mr, which is each GH hash three second stations, being one while in D, mether while in D, mether while in A, the other same (Ps. Sol. Log.) attending to monose.

*3. When you are paid these two, and can came your Notes there manner of ways, you are yet to such for the chief thing, the Taping of them, if you have not a Manter at hand to lead you with hit your are fortunation.

"4 A fourth difficulty arises from the many Chills, which no less than seven ways change the places of the Notes upon the Lines and Spaces, and makes it a most tedious threat to be served in all, or had most of them.

"The newsral of these difficulties, and thanky the Eacouragement of Learners in that which I have endeswared in this Easty. What I have done in order therein, I shall here now the Render users account of."

The set of the formation of the set of the

"When a Plat or Sharp alters the same of a Note, its Name also afmin the like alterators, yet so as in keep the Latter information of the like of the same of the same of change to be of no trouble on the Menory, but an help its aim the Notes in Ture, Se N lower surveitures them, and

* Dr. McNunght also quotes from this book in his administra proper as * The honory and use of the addis splittles," and before the Moning Association, howary, right On Musical Introductions in certain Metroad Paulters, in

performed for 1 call of 30 when it is shown and 30s when it is fast, as in (Bogin, Before) with a softer sound, and therefore the more arrestable to a flat or soft Note, as the other is to a it The Max is done by # # heirs a Yousd both heirs it

"He this means we have seven distinct Names for the seven Notes, keeping always the mana places in each Cliff, and these Names such as both comply with the Gam at so much as is predial and also with the Alternitions that are made by Plats and Sharps, without brathen to the Meccary,"

Having thus formulated seven names for the seven degrees of the scale, our author wonders why restitions only use "4 or 6", and he quotes Dr. Walls, who, speaking of the absence of any name for the seventh degree of the scale same "good miren out Guidenen non witnes ei practyune." We all think so too! Our writer then recommends students interaction) by Interview to Rells, each being an easy method show the position of the scenifore. But thes step forced have

<u>de a constante</u>

and this makes some of his explanations rather trutking at first glaton. Moreover, it brings han dergerbally near the way hearcherful system from which he is struggling to release himself. Alter this he claims to have further suvalified labour by reductar has cleft to two. Trable and Bass. Here he deserves great crout, for I believe the three-The following within in the bulk of a chemic of non-exclution-



10 On Manual Introductions in certain Metricel Publics.

He seveds ary scale invelving as A fiel, in the hitty-new pages of paging times with which the wark condition, in a Le in not motified. Yes can pather from whet Have said that our action was presidingly used a raking a valuable discourse and resolutioning wancal methods, loss him front lettersystem and him seriesity appendent to "all inflit" canade him back shorts as a controlly.

Before bringing to a close my optice of the "new and ease method" of teaching passes simpling "from back," I must make one more pasticles which will cause surprise to must. The author gives the following "more (Southwells -

JANANNA LaP

He then adds. "The notes of the foregoing tase are usually broken or divided, and they are better using as they are been probed " ----

for the second state of the second

My Out and parts room pre-

Sev of he me to take so theme.

P L L L C PRE 1

I thill have to say most about "groups" here on, when speaking of Goldsa's Provide Pasher within interaction birthing to path-singing mass than thirty years action. But ablowg the totage range rules use of the provides of developed it is pool of the English sendersy in the viscous developing of the only in passing that 1 attribute the regd spend of vocal grammations at this repeak to the increasing use and predictive of the View. I think it noos and On Munical Intendantanes in certain Metrical Paulters, 31

that a singure instant dos "Agentaios." Bay construity barent traita and the singular state of the singular s

The feet note in called 5cc because it is the second asple of the normal Scale C which begins or (6 + 16) makes the sent h_{1} these courses for for for above, followed by set, for set, for the second sector of lastly, a new for for for shore, has ends one set, because of its called are in the scale of G. Seconds which is a version and note reaches of the for the second for the in-the second second second second second second because of the in-the version of the scale of G.

Southy this is "confinition went conferential". No worker that this book case has with its predecessor around other mus contential. As if this were not anough, see author timules into the old same of the contait invariant are important. For example, the same of this contait invariant are important. For example, the same of this contait invariant are important. For example, the same of this contait invariant are important. The example, the same of this contait invariant are important. It is denoted by the same of the contait invariant are important. It is denoted by the same of the contait invariant and the same of the denoted by the same of the containt invariant and the same of th

ve. On Numeral Introductions in certain Material Paulters.

course used in hts old same, "creat.") This metroscoric direction would. I think, lead to a much faster dware for tasks than has been eccentrally attributed to this period."

I have more than onio had conson to unpeet that the nation of and is were not always called *f* is and *l* on an Influx, her were singlemed at this time into *lay* and *lay*. I do not say that this was calcumat, it may have cally here a dishert form. But if our writer's representant to be trusted, he at least instanded them to be no truccompany.

> "When F or C are sharp, you may Then call them Fee, otherware Fa."

and elsewhere he says :----

" Also when A is sharp, you may Then call it Lee, otherwise Le."

In another place he mays that its presenceed as in the word labour, he adds, he is pressureed as in the word fabler. But these who there he is here contradicting himself must memoriher that dayther is a common datest farm of fabler to the day.

We can now inves these two interesting quasi-pashers.

It is all tables are to some very service types, given are some depression. It is supported by the source of the source of the depression of the source of the source of the source of the depression of the source of the source of the source of the depression of the source of the source of the source of the depression of the source of the depression of the source of the depression of the source of the source of the source of the depression of the source of the source of the source of the depression of the source of the source of the source of the depression of the source of the source of the source of the depression of the source of the source of the source of the depression of the source of the

The more endows strengt in proc a national which is notes which the more endows in grants on a solid by $(p \in \mathbb{R}, 1)$ is more in the final strength of the strength of the

+ Alexa thurbers copers are known to send, one bears in the Menny of Magdalen College, Oalerd

On Musicel Introductions in section Metrical Paulters. 33

In 1572 was published at Heidelberg, a Pasker which contained a note of reasi for every splitche of ext Unreguent. It was selfided "Die Pashara Davids in Tetataite Gestapraymen auch Prazabiteker meloden mi sythes art mit andreinhen falser gehandle von Meilanes". Hat hus experise resided al gublichten does net appear to have bearer fashandele in Germann.

Later as, issued bit in raids or and a the right energy and correct, when there was a first forward for Freedom trans. For every splitcher, part in the same reaser as there proved freemoversities of the Decision in the well there proved freemoversities of the Decision in the well between strateging the provided in the same reaser as the same strateging the splitcher and the same reasers present of "The which leads of Decision, in the well as the Chestres, which the singer posts of the same set strateging of all parts are read." When the transmission is in their provided in provide the same read is when in the frame strateging of all parts are read. We the therease no in the intertion of the provided "Network of the same read is the same set of the same set."

" during and another course increase, which are

and farring and affeld pressourceship.

"Literand, July 56, 1688, London.

Presided by R. Evenuegham for the Company of Stationers, and are to be sold by E. Brewster in St. Paa's Classichyand and S. Keshle same the Terrebugnte, 1668."

I quote at once from the Preface a parloas attempt to lay down a restronomic stranderd .--

"The first Time as (and which is least used) is called a Brief, or two Times, or, a double Time, being about the duration of night pulses at the wrist of a person in good health and temper

This statement is of considerable interest. Assuming that yo to 6 is its overage starburs of phonons in a backly banan here, this will get a retreevent standard of $\chi_{\rm eff}$ by 5. By the starburst phonon is a phonon of the starburst phonon is a starburst phonon in the starburst phonon in the starburst phonon is a starburst phonon in the starburst phonon in the starburst phonon is a starburst phonon in the starburst phonon in the starburst phonon is a starburst phonon in the starburst phonon in the starburst phonon is a starburst phonon in the starburst phonon in the starburst phonon is a starburst phonon in the st

34 On Humani Intraductions in certain Metrical Peeltrys.

Then having trented of Time on this basis and having theywe in a few remarks about the fealts of the slocks of his particl, he can no to my ---

The next three in the spokes of its the low-case, we high of the votes, of which here are to elymon degrees, gapping the spokes of the votes are office as the short degree of the spokes of the sp

It is difficult to see what the author prime by calling attetion to the difference, or much reconstructly, hencese, the neurog of a near for the voice and that for both, unless we are profiled in accounting that people at this time were were foreing with both ringing these posteriority of the them

" Hopes to many poor vector at the lowers degree, which is at the circle Notes and is usefur the lowers like, and sing the neuroneuroperiod, one, rese, three, and so forth, up to eleven; and but sing them belowered down upint, elevens trop, time, and so bath down so con." (For conventions 12 is to be called literal. He then given the Scale three-



A little later be given an exercise which includes semi-

On Musical Introductions in certain Metricel Positics. 35

Later on, a paragraph, about what formarly had been in une, is interesting -----

> Ut, sr, ma, fe, sel, Ia, en, al, sr, ma, fa, L. E. L. A. S. G. T. E. G. 10, 11,

But now they change at, re, into sol, is, and do teach these s--

Sel, In, m. In, rol, In, fo, sol, In, mi, fo?"

I are almid our autoor shawe by this example his ignerance of the subject wheel which he is writing, because this has represent the scale of F, though beganing on G, whereas, he storted with a scale of F, though beganing con G, whereas, he distributed have been written than; —

Fa. 101, 1a, fa. 201, 1a, 100, 5a, 201, 1a, 5a,

Unlockily for us, though fortunate for his repetation, m preting out the Pasima in full, he has put no marchers under the notes. In this respect he full not, as you see, fallow the

٠

. .

at: Ox Masteri Introductions in certain Metrical Pacifiers.

c sample of the observation houris. Which the the was cognitizent of the previous boots or net, it means now prassessing to find this inequinally imposituable isystem terming to an attrationermal of the spaces. Bit is a sourcast that high data at a simulation of the state of the state of the state of the imposition without some modified againstance of the data states of the state of the state of the state of the same of the states of the state of the states of the same of the states of the state of the states of the states of the states of the states of the state of the states of t

a period is fought to new all. The French Cathabra Callelies in sday, as a sort of counterblast. Following on they as edict was issued forholding the Huguenots to sing their Maree and Eler. But a stre uncorrected read followed, the Huckments rather than one no Paalms took a craci edin forbade them to sing metrical position in the version died out, after having goue through many editions, (1930), Antonine Landtown (1953), Artiss Ancounteran (1930), and Thomas Gohert (1953). The two most used were those and I only Y111 to students with hosting composed four treast tores for his efficie, and doll and dry they all are. But in of Gebert, the writer says " 6 ne feet pas obmettre à bien se sont principalment sur les millet sur les détaus, et sur tres samified the heasty of a simple modering in order to trentliquest was a sort of abort abalts, such as those to On Maxical Introductions in certain Metric el Paultera, va

the fact known to all students of church money that the French from the latter part of the right cantery, up to the end of the 18th, absolutely round the grand old plainsong of their church by profuse commen-place commenciation.

A French Thurbury of 158 in the finances, as being most of the very five in the integrange primotic fit at the content. In this fit are set on the Thurbury of the the theorem in the transmission of the tra



A loss years lotter, in the cases interesting inderection are found in "A Collection of aware series as it of the Paulies of David I united to screenal occusions. Companed in two perits, Cattley and Dasma, being the converse tomas to the Paulies is sorter now used in Paulies Charakse. The which is added, some mityrations for garing of black. Collected by Mr. Dasied Warsee. Revised by Mr. Hensy Parcell.

"In the Savay. Printed by E. Jones: and sold by the author at has house at Kweines in Onlardshire. Has," (Front Res.)

This is a relation from forty-bar of the Sterahald and Repline variance of the Justim, with the words and marke printed continuously from beginning to end; the astiss on the zeros, the basiss on the zoto. But the Cantaka and a. few "Hyners," are protect as the continuey way with the tradition of the basis.

The comparison in this Preface finds fault with Revenuered far having given the molecular preface for a Copytion of any press of the second with the Copy at Copyics of the press of the second second second second second at has followed Physical's Paulice with models in these parts, and has used nothing but the C and P cichs, and is still as

48 On Musicol Intraductions in costain Retricel Panifera.

further simplify it, he has given the taxes in two parts only-The author says: " Those who shall make use of these Books may sing without the Scots way of reading the woods, and do it is a standard methods." This means that as the words, and do It is a satisfies power to "This means that is the money of continuously printed over the whole of the words, there is no necessary for the Clerk or Mynator to real and the words of each first inferent is a say. This remarkable contous of palling sent, as still knot on in some of the mathing districts of Seat land. The Secta used to all to size, and stand when previous t Mr. Daniel Warner, no doubt with a view to the better expansion of congregational longs, which y suggests a standing contain for Paulustanian. With report to the tents of taxas, Mr. Warner is concise , he caps. "As to the Tunon defaces and meriphaney." I are alraid the writer, could be faton to roams or hyper-singley in these days, would fed fation to power or hyper-arriving in these days, would find that we have not yet discovered this " it mean between A fa su re in AN, that is from C, to a". This is an unissloss conclude if it he remembered that the combility of estimated its antibat had been perced by the matry before this particular pains-back was guard, samely, in Moritry's "Plane and enals Introduction," you may in Moriey's "Plaine and easie Introduction," you may "was devised of XX, notes and no mere," to which his Master runkes." Remains that correction was the reach of most waytes; to that water Gent of the votes seamed as a kind of Avenuing, and above E fa a bigde of constraints

This servere seems to have availed the property of thermany, "end 'receivery' control in the book with the same of Heary Passed as review. The industry of end of east of the same of the server book of bacanon (final to final server) and the server bacanon frank, established in this secretly upring to the Prophety's transmission in the sourcety upring to the prophety's transmission of the server of which's test instation top, and Chraspher Struggers. "Compensation, for available of the server of the server of the server section of the server of the server of the server section of the server of the server of the server of the section of the section of the server of the server of the section of the sect On Manual Introductions in certain Metricel Phellers, 30

people menicating the way to localize the sol. These rules are printed in the instructions before up,

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<u>v</u> .	1.44		12.	1.6		1.5.	1.5	1.00	1.0	às.	£.
χ.	1.00		12.5	151	1.6	16.6	10.00	1.0	1.1	1.4	×.
а.	in set		1	1.14	1.6.1	Line 1	8 M 1	and -	6	- 61 -	2.00
		Our set	120	1.5	1.0	14	- N	- N -	1.11	. 61	12.6
÷.	0.04	_	1.5	35	1.5	1100	11.18	1.6.2	24.4	a set i	154
τ.			1.60	1.61	1.41	196	116	l to d	14		1.64
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×.		2.	1.5	1.4	int.	1.4	1.6.	8	46.	1.0	11.0
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5	ii da	1.01	151	151	LV.	1.00	10.64	lied."	1.61	4	3-
×.	10.00		Le.	Sec.	int :	461	6.86	1.6.	det.	2.0	1 \$ 10
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ñ	and or		Seat.	6 m -	- 4 -	1.00	(14)	frank :	6.40	- 44	11-
n.	A 10		1.8	het.	-	1.6	1.0		4	5.	140
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66	and the set		1.61	- 44	- 14	1.14	- * -	1.91	1.0	\$10	1e
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100	the Normer		12	17.	12.	17	1.5	17	12.	1.2	17
- 20	loon and?		14	÷.	÷.	12	19	÷.	÷.	÷.	14

should like to make here a short deresson in order cambat a popular error. Must people when they see the of the beneforeds starting from three different rotes (and F, yamp to the conclusion that a system of servals do control in the sith contery. But they cante discovered the fort that is the cause out of the the reason for your from or change of key required it, but simply because the extension use of a fresh hexacherd in order to provide the neueronary ad in names. For example, if a melody which started on mobile C, mached the leading note b, the only way to mane it was to source that it was the third of the hextchard conversion on G, so it was called my. Again, if the vehals found of the hermitiand commencing on F, so it was called An examination of the tents which had colds betters On Manual Introductions in certain Metrical Paulton, 44

	1	- 1	. 8	4.	- 8	6	Ŧ	- 8		1.0	15	
6		1		~	4	P	P	0	9	0	a	
0	ñ	10	20	78		£4	4	=1	-	-	16	
-a.	78	18	34	15	36	и	Lē	19	90	11	- 18	
6	.02	0		25	62	-	0	a		1		H
v	64	4	and it	6	14	6	144		-	14	ii.	

I have reachend all the same for reference. Note 1, a grader result of a set of the second point of the s

To constant the satisfies to the study of exhibits who take these as this contrary system of investigation of these in models or invaries in a close of the system by contrary the sylution or max used to fill up the gap of the isolation, race, and was keys takely for this payrous by experiment the provides at or on and automizing far as is a price a verhicular movelue of hears as the sorthweak but an before.

at beging in the testing of the latter. These centres more interesting Foreich Publics purgled in London in types. The title is "Last Passames de David, mus ca vers Pampata, per Cl. Marcé et Theorier de Bate. Nouvelle editive toste en manque, et dans lequelle en a sporté sous chaque large du chern erfiniente, une Resse Chartante en partition. Londons. Impetted put Gallantere Passame, en Alformatie Struct. MDCCXXII.

The words are privated between the two parts, Teshia and Bassi, the loads has a very sensible preferent, and one page of explorations of loops and scales. It was prepared and must be a Communities, who succeeded as thermary one in the words, becauffieldy prepared and were very context. In the many because the severest de Proventiant Reference. Here we 42 On Muzical Introductions in contons Metrical Pachers.

to sing the Pasien we are parts as composed by Grodwest or Class Re to equi basis the net has applied herrowest," but their when they assign only the testis and basis, leaving out the patient parts of a statistic default the harrowery was very incomplete and - pletes de leax accords." Naturally so I but the harrower is the Patient in read and antifuctores.

* Les Fixeanes de David, ris en ven Francein, Bress et approveis, par le Synole Muile, des Pavica-Ulars, Neuvelle Editate. A la Hoyr, Ches P. Gauss & J. Neuzine, Part de Martine, and Hoyr, Ches P. Gauss & J. Neuzine, Hasse over auxo. "Avertimenzati. Principa de la Vita des Benels - cient de Mart, estad 19 aus à prache la Cel di auto tante de la vela des." Che agerdier, dan what them tratage en el neuron des." Che agerdier, dan what them tratage en el neuron des."

For in sol are in rest in sol in sol in sol

B.C

"Praction do in Veix do B-carré ; c'ast h-dira ; que lors qu'il riy a port de B proche la ciel, il fout supports prender Ol ser la Carl' francance, fun vient here as no fair la the supporten, the line on which the cief is plotted will always be U().

若 6	+	+	Ŷ		0	*	0	٠	- 4	*	ø		•	l
44	U1	#4	ы	sel	p.	10	re	rei	e!	ls.	-	la.	set	
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	51	ut an	1 14	19 (0)		a al e		ù,	ж.		×	113	re-	7
The			h								۰.			

when the book is opened, for all the tagen are re the C cla

On Musical Introductions in series Metrical Publics, 43

and are either placed in the open key, or that of F. I should add that the sense is written out in full, in a small but beautifully close type.

The following in recovering "Les Postanae de Duvid anie en vere Pasasini, verse et apprentiet, par les Pasienze et les Professenze de l'églan et de l'Academie de Genieve. Nouvelle officient avec les cautiques auecta. L'appeile en appoint la Danse, qu'on a réduité en van soul Gef pour la commensible de cons qué abatente totte partie, et de la movieur ent tête conclusion t complet. A Genieve chez Pierze Poleti. 1949.

In this Parker the Tence (makedy) and lines are both pirce, set feesng the state or in the opposite page. All the solidates are so arranged that they appear to stand in the key of F, at the Alls old with sets first in the signature. The Sam part is so the F old pixed on the that first. The two sides are therefore the Alls old heard Baneware.

Let us of instruction have the balanced parameter. But the "Principles poor its Tasse" and the "Principles pier is Basis, "which goes preliminary Exercises in solitong, those some conclose narrounds. The archive chooses a frond 44 on the sete F, for his Tener part (molecly), esting the secretist of the sete F. So this Tener print (molecly), esting the secretist of the sete B. Soliton to the horizont between the second set of the set of the set of the second set of the second set and descondings, by the states (thus -



not in fa ut fa in out, the

But the Base-part receives sfill more consoluble treatment. An examine practically in the key of C minor is given, with the following entrandinger softmat --



The above is, so far as I know, outside the pale of any known system. Calling the note A dat in the koy of C minor with herates has a measured a fixed at technology from P one only be looked upon as a piece of ingenizous with these

Nevertheless, the writer must have been a good manifus, at proved by the supellence of his (we-part writing,

I give a speciase: it is Ps empre. the trace of which, as you know, because our Gid month. The base part is worth commution, it is very bold, and fermi a most antideckey harmony. It should be noticed that the art of drading the words into willshifes had not well been attempted in Prafara.

last value of F83 - 816

On Musical Introductions in orthogy Netrocal Paalters, 44

Generatives how existing the Reference infrareout less percent masses of the Linkan percept, it is not a matter of surgeous duty on the Reference Pailines exist. In the start a "fitteen behaviours and categories the form of question and anomen' is fixed in "Li etc. Incom latits of the start of the Startperior of Anomen's Generation and Distances for Startperior di Verseria (Section 2016). It is in the start of the starts and starts of the start of the start of the startperior of the starts of the start of the start of the start of the starts and start of the start of the

14. Outstill 6 geals son 16 note?

Propriamento son 6. UI. Re. Mi. Fa. Sol. Le.

Ma ordinarmorante al una R. Ut. Re. Mi. Fe. Sel. Le. Bi. Ut."

After instruction is notes, time, rests, and keys, a table of caronises in universal is given. A fact-note at the end of the latrodoction or intercontrag, as shreening that the question as to whether the realisty should be placed in the Tener part or the Tende was still caronized.

¹⁰ The law wate confinantia do Cano i il Tentre, nas quanda v'u posto quanto segon d'una mane, si carginas la volt, ed in vece del Tentre su carata il Discutato." In con risos construy the Talari-books of this particil vece ha nor risos construy the Talari-books of this particil vece ha nor risos construy the Talari-books of this particil vece ha no mane suitanti in this respect, and the tens possible of the melody lat to dispute of a sery warm had. "The result is in face parts, particul and the result," we can be rest.

In the way, local Dakon point and the second secon

This concerned oil pedient William Tana'er, in his "Harmony of Zion" (1996), adds to all the above, "a Mathematical Demonstration of the Nature of Sound "I" General releases for the composition of they hirty, fore, free, areas, 46 On Municel Introductions in certain Metrical Paulters.

and eight assisted parts." General rules for running the Harpanionic", Way all ther h low rese waits the subjects the dynamic barr, Way all there have new also that the dynamic barr, we will be the subjects to be an end of the subject of the sub



The nutlee continues: "The Trill cught to be used on all descending prick's notes, and always before a Close, also on all descending sharp's notes and on all descending Semitones, her even desting this Combines."



These results are affilter new are interesting in these ativas, but have a scritter import when upplied to pathosinging. The constant approaches of Gravies in these later Instructions proves the unremarky of bad tate. They are inclusived in "Devid's Hary well treed," Typs, and more observably in "Devine Moldy," ryps, in which eight hand of Graves are transversided and translate the transOn Maxinel Introductions in certain Metrocal Paulters. 17

We see all facefiles with the regain. The face dot times of processing generative were titter discussed all subjects or to labeled with (trans is to be plotby) proceptions. A vest empirical of many House the second state of the second processing of many House documents of the second of set processing and the second processing second of set properties of the system of the second state of the processing second second processing second second properties of the system of the second second second processing second second second second second second processing second s

My task is now contain in class. You have with an empirical task is an investigation of the instruments, and an additional paragraphic end of the instruments, and an addition paragraphic end of the instrument of the instrumen

The source is second on the second s

* Tale, for surrough, the test desply extension: Washeyas books * Sacoof Heinite * (1) unlish and * Sacoof Harmony * (1) unlish

48 On Marical Introductions in certain Metricel Pusitors.

which is exception is not have it was defined in how the set of t

DISCUSSION.

The constrained of the A standing particle for changes the standing particle and the standing p

On Marical Introductions in certain Metrical Paalters, 19

We define the second section of the second second

The vote of thanks was passed unanimously.

Be, Greenens,-Therr in use doubt that this hereafted monitoring the distance in the distance of the distance constraints of the distance of the distance of the distance for the set and wave preprinting dispet in shapes the disbarries and wave preprinting dispet in shapes the disbarries of the distance of the distance of the distance attenting pixel. That feast, I have a copy of our National Attention, " do loss the King," grant general general distance, " do loss the King," grant general general distance, " do loss the King," grant general general distance, " do loss the King," grant general general distance distance and the distance of the distance of the distance distance of the distance of the distance of the distance distance of the distance of the distance of the distance distance of the distance of the distance of the distance distance distance of the distance of the distance of the distance distance distance of the distance of the distance of the distance distance distance of the distance of the distance of the distance distance distance of the distance of the distance of the distance of the distance distance of the dista

England. Sir Jose Stavers -- The Fernich 1 quoted as the earliest instance in which people were told to do it; but we carned fell what may have been done bidler that.

Dr. Constitutes -- Peppy probably warried to introduce it into the taxe which he wrote but did not compose, " Gage not on prenen,"

Mr. Assures, M. Fox.---May I suggest that the eighteen or twenty a neural succiafies the time taken between respirations? When your longs are at rest you will find them are several monoid between the impurition and the mait expension. You will find it success an short situate a watering a refusion.

The Countries. - But not we supposed to make a passe at the real of each her with ?

Str jone Staten,--I an very much obliged to the gentleteen who have speker. There is so very much to be learnt

π.

30 On Nucleal Introductions in certain Netricel Publics.

about this. This is used, so increasely long paper that 1 could not read at 1.1. Its uses to be absolutely a filter field, and is important bools the decinosites of hymology parts will find over limits. If any information should these of bools that 1 have conversiond. When you do find something it is shout above; incorreting. But 1 an optic arrans that any information of harmonical bottlement, would have do this heaves that "harmonical bottlement" would have do the heaves that is boottlement to the cast different domeses.

Decemark IT, 1980

W. G. MCNAUGHT, Ess. Mrs. Doc.

IN THE COMP.

THE TEACHINGS OF BARMONY AS A PASIS OF EAR TRAINING.

By FRANK L. SAVYER, D.Mus., Oxon.

In construction a poper the writer frequently field in a dury that the second second

But we aren, if we need this is one art, always trying for forther program, and that it has become apparent that in our endeavours to teach the reducerate, we have due to too much foun the theoretical steadpoint only, and have not one-based with it the processing side.

The child is funght that a certain shaped note is called a half-note or minim, while another shaped note in called a quarter note or cretchet, and that the latter is half the length of the ferror.

This is the theoremain take. But do we it once try to train the practical side by simple, as playing a possage and asking our fifthe pupil to thit as which were the hadrones and which were the guarter-scales? In other words, do we train the oblid's car to recognize the assisted ford which were represented by the remindal yuebd?

8.2

the Teacherry of Hermony on a Dasis of East Teach

Again, we teach our pupils major scales, minor scales, and Again, we teach our puper maps scales, more scales, and intervals on Autor. They can, perhaps, tell you all about there shen they as they end, periape, but the buselow of the mind's ove by means of the aut we have hitherto neglected.

We are now beginning to recognize that it in out sufficient if our much can show us a major third on paper! They must be able to tell it plys heard. Hence in this desire on the part of teachers to train their parals as well as they possibly car, the solucet of car tracersp-te, the developof more and more incontant

further program of our granted art. I had no applacy in

history of the soluteri in England. Practically for the last consistion with class maging, and in class maging only by that seprements it "- the late Mr. Carwon search to find qualifies perturning to each scale degree, by which the singer reght secontias on what step to the indder of the many

The mediant, the Steady or oales note.

The leasting rate was not running time.

The submediant, the Sol or weeping note-

The subdograges, the Desclute free.

By the percention of these percention the child's roled was taught to recognize and name each deares of the reason While are more he tempted to under stands be these of

on who convertigate realize as yet that the mintrocakin of proved an important beganning to the development of east

It is hardly necessary to do more than mention the fact that is sight-singing teaching, total relationship has far entmoves its early connection with the trene sol-fa, and has The Tracing's of Hornessy os a Basis of Ear Training. 53

Turning to the history of ear training in matrometial means, until a few years ago it was almost a black in England.

In the old Society of Arts' Examination in practical matter a test was green, but that was in abaciat prich. Notes were strick having zo connection with each other, and the preag conflicts was sequent to sell the abacket prich of these search.

on token workname, of course, a forma, because the pepty wars, where named by anknow which the grid of almohose pitch and to acade rate they account with the grid of almohose pitch and nor the grid acade is not be corry years also that not form how the grid acade is not be corry years also that not be an able to account it. Special anxies maphy inhereism years as well have these method for the momentum of these even.

The presents of the subject of our training seems to have been the probassiss of the dictation shanes at the Royal Codings of Monte and at the Moyal Academy, Omobalay im frapress in the subject was accured, and the arthrelides representible for the constraintions in correspondent with Tempty College and the incorporated Society of Manuelass doubled to restorm being our of manual prime of conductive.

W DEGMENT WORK on the of transmig trans in Location. The Lease proceed Society of Washington - on Physerech, in Springer, in program of the service of Washington - on Physerech, in Springer, in product response of The Transmig of the Mark Physerech, in product was made in an indication approxement. The service of the service of the Springer of the Springer and the Springer of the Springer of

Following on this excellent paper Dr. Skinn produced last year the first part of a text-back on the solmert.

Such is the brief history of ear training up to the present

In the hother development of the values it has occurred to the that it may an ite instructions to approach as the next metage and the standard of the standard standard to a standard free the resident standards, our passes yorks, will approach it from a interaction. Again, a loss been and that it e set rotations a theid day withing instructively supplying a found to set the standard standard been as the standard standard how who examine in sight standard have been instructively wheth the stangest's raided caused rapply a motion between operations are believed to be able to be prepared to the standard beam of the standard balance in the standard balance of the standard balance in the standard to be able to be prepared to the standard balance of the standard balance in the standard balance of the standard balance in the standard balance in the standard balance of the standard balance of the standard balance in the standard balance of the standard balance of the standard balance in the standard balance of the standard balan



54 The Teachings of Harmony as a Basis of Kar Training.

C. G. B. D. C. because the war accepts the dominant harmony of 0, B. D. A mager will find C. G. S. S. C more difficult, same it implies a stranger chied, 0, B. E. the mayor thirteenth.

Apart from such interesting considerations as these, it must be palpable to all that harapapy is the samithal factor in the music of the present day as we meet with it in our coverdax work.

Lat us therefore subject the teachings of harmony, as it appeals to the ear, to a more crutical enumination. We will begin with discrete, as being these which strike, the ear most facefully in desiring defines population.

If I play the programming at No. p-



and payse on the third chord, the our immediately domands that the F sharp shall accord while the A dat deposition

The cherd A flar, C, F sharp in the supposed sixth on the distort sixth of the case. We may therefore say fail the meral effect, then is, the effect produced us the mind by the supported much, is that the extrance noise shall move away time new somether by denoted semicones. Although either progradient are passable, yet to the say this is the most related.

Exercise the progression No. 5, first on paper, and then in actual fact, constant on the third chard :---



What does the our dermand ? The bass must meend, the A girst and the F must descend. When therefore, we wisk this cheed of the distinished several, the our vectors an default meaning picture, and invitientirely requires that these name should move as invite abare.
The Teachburg of Harmony as a Basis of East Training. 55

Descending from these more extracte discords, let us take the milder discord of the dominant screenth, as given in constraints No. 1:--



Parsing on the second cheed, the set as core ands that the relate shall associate the full detacod, and the hand return to the tools. Even if we invert the cherd and part it in few parts as a No. b, a diff the same modul differ in sparser). The understand-the P in the subsch-follow, the being more most starting between the corecting to the inscharge of the starting between the second part of the inscharge of the starting between the second part of the inscharge of the start, by the tools think. This, therefore, it is meant which.

Prove this wind of discosting—hold, externing and milds—here many deduce the fact that the car makes of each a definite picture, and that picture of each is in these couse dependent on the revolution to sensitiving which will produce on the wird a state of next.

This ensuit during the paper of rule is a former of the during sector of the sector of the sector of the characteristic sector of the sector of sector of the sector of the sector of the sector of sector of the sector of the sector of the sector of sector of the sector of the sector of the sector of sector of the sector of the sector of the sector of sector of the sector of the sector of the sector of sector of the sector of the sector of the sector of sector of the sector of the sector of the sector of sector of the sector of the sector of the sector of sector of the sector of the sector of the sector of the sector of sector of the sector of the sector of the sector of the sector of sector of the sector of the sector of the sector of the sector of sector of the sector of the

This desire to return to a state of rest is therefore a solicut feature in hieroney, and we shall find that it will afford us root metfol ald.

It is, in the first place, necessary to determine what are the points of part to which all chards seem striving. They are to be found in the notes of the tests traditised. On these, and og no others in the main sail the our rost attailed. The 25 The Teachings of Hormony as a Basis of Law Training.

typical densure of the tunic check is the follow of perform completions which is contains. In a this faint which we appead as the means of the check. It is thus thus a specific of the balance of the check. It is that the specific perform of the balance. Thus, the balance have balance of the same and an octave of the resolution is the truths, given the balan accord inversion of the same check, where the interval of the same and the check shows the time of the same of the same of the same check shows the same check, where the interval of the same of the same check.

Not strip in the space closed unlikely to the cost so power of res, how mandwardy will be based that acceled the intege of which it counters will also, us a preserve cells of degree to be a set of which it counters will be based that acceled the strip of which it counters will be based that acceled the strip of the set of the set of the set of the set of set of the set of

• being of Processes are array programmer in the ineric cheef which is the centrel power of repose in the scale, that power is as strong in the cherdthattra kores is extended to each ools of solvich the cheed centre.

Having sounded our tonic cherd, let us now sound the dominant trial immediately after it ----



In this corporates what have we found 1 in the seri ' Neusandred with this second cheed? Is it are seri ' Neusanarady set. The feeling of net and space has concept perc, and we recognize in the dominant chard that is highly appended to the the properties of the dominant height feeling at least a weakand of further sockets. This height feeling the the properties of the dominant may be called the "mential effect" at the chard on the shift degree.

The possisss of the chords rt No. 4 to such that the tonic so the melody falls to the lending note, and the primery sensetion greduced in the med is that this "lending rote heads as fit name implies, "head up" to the tonic. News The Tankings of Harmony as a Basis of Ear Training. \$7

supported there is accordent to the news who has next here is supported as an encoded with the new section of the here the section of the new section of the section of the heading more is assessed to the fields. There any new secence person, and is encoded to the fields. There any new section of the propulsion of the new section of the new section of the propulsion of the new section of the new section of the propulsion of the new section of the new section of the person of the propulsion of the new first here are not an encoded person of the propulsion of the new section of the new section

To noth people, rocal intrinsition-then, it, the relativistic of every satis is in the case - special column structure of the the presence of islands pick their to a specietary in C badiation of the special structure of the special structure and the special structure is the special structure of the special structure is the special structure of the special structure of special structure and special by MG. Bener, Langtor, the whole special structure of the special structure of special structure of special structure of the special structure of special structure of special structure of the special structure of special structure of special structure of the special structure of special structure of special structure of the special structure of special structur

To the possensor of standard pitch it is not slowey's so, and, to wait, a note will societtimes appeal as fully as a certain definite sound as one definite patch, that its total relationship will be estimate obligations.

It was in this way that the practical anders in quantum periorited sound. I structure the leading note as part of the deguarant truck, but the gradent housesty security are that also could not perceive that it had any tendency to ascend, and that she had always wondered why it was called the "landbor near."

In conclusion of this little parenthesis, this fully explains the difficulty that teachers with elongate patch have in bandhar art transies to mark without it.

Returning to Example No. 4, the leading-note may therefore be taken as the note having the strongest of mental effects in its tendency to land up to the tank.

This is the case in all trade in the scale which contain the leading-note :---



18 The Tenchings of Hermony as a Doors of Bar Training.

The mediant train is made sublicatedly followed by one which denote of the instancements according, within, as at No. 5, a, to the submediant closed, ar, as at No. 5, b, to the institution of the submediant closed, ar, as at No. 5, b, to the institution of the submediant denot, other as supresented form (ba, at, a) ar inverted form (ba, s, d), the same denote of the instance presents to accord in pulsylable closed.

Let us now place the testic and dominant chords in another position, in order to discover what harmony teaches us about the superiorist of the scale. Striking the first and second chords of No. 6-



The short strength of the str

The monthal picture of the leading-cone is to annual to the treat-

The sector of the superioric is to fail to the tools. And what does the octave of the downwart itself do in this concretion?

The dominant herag itself a point of rest it remains manneary. Returning for a manneat to No. g_{i} and b_{i} we find that in the programming of the mediant first due manne thing was apparent: the outage of the mediant, being itself a point of rest, remains without, or our reinstructures of new The Teachings of Harmony as a Basis of East Training. 52

meaning. I can far from saying that the teachings of hormsety observe show that the tonic, the dominant, and the mediath always menals stationary. I would samply say, taking the simplest progressions of the primary and the chief of the secondary truths this is so.

The tendency of the supervoid to fall is also found in other should besides the dominant triaden



Thus, in No. 7, e and b, as octave of the root in the supertonic chood statif, or at c, as third of the diskinshed triad, at seems natural to thus progress.

Let us now tern to the subdemmans triad and place it to follow the tonic triad as at No. 5, passing on the second chard--



It is necessary that we first reduce the precular effect of the chord itself. It does not possess that from stubility that belongs to the torse chord, one does it produce that build effect of motion that we found to be characteristic of the discipation of the does.

The third is one of dolarse, or, as suggested to see by §W theorem by a "dodad" with the latter barry, a "dodad" with the latter barry has a transformed to the second se

As I said before, even if we made at this ultra-pictures padescription we there is a serve of truth in it. to The Teachings of Hermany as a Sepis of Sar Training.

The general effect of the ashdesizent third we may thus take to be its dalaces; and this is also apparent in the molecule mature of the fearth deares of the seeks

But harmy teaches us more than this. Let us sound equils No. It pausing on the account cheed. In the user at rest? Not it is not, but it fields motivatively that the interplant pagematics would be to fullow the addamtment elsent by the coster, its fourth degree that fulling to the third latt or examine other singule cheed progressions in which the addamtment elsent recomm-



In No. 9, s, we have the decimant security in which the hope of the distance in the security of the security of the desire that the decimants in security, and the decima decimation in the security of the decimal decimation of the security of the security of the decimation of the decimation of the security of the decimation of the decimation of the security of the decimation of the security of the security of the decimation of the security of the security of the and the incident protocols. All No 10, 4, we have the decimation of the security of the secur

Hence we may may that harmony traches on that the effect of the feasth degree on the main is "dutates," and that it has a dealer or torshopy to full to the third degree. We have now to encode the other note of the subdeminant chard-site, the submediation.



Let us again here the toric chord, this fixe with the fifth degree at the top, and follow it by the sals deminant chord with the stulb degree of the scale in the trable (No. 10), pausing on the second chard.

The car is again set of rail, but downes that the basic chard may be reserved as a point of rest, the sixth degree thus follow to the fifth of the scale

The Trachment of Harmony as a Basis of har Tracence. for We have now to enamine other simple progressions to set a owner sander bed

In New 1, s, we find have the total of the similar dozen power neurality is taken to the project. The base have rease A fifth, there is not not encourse between the electric up to the neurality of the similar dozen to the similar methods, but depices also the distribution of the mean protons, at it, the similar dogen and the similar dozen to the mean dogen that distribution of the similar dozen to the project and the similar dozen to the similar dozen to the project and the similar dozen to the similar dozen to the project and have and the significant dozen to this as the reset taked to an of the significant dozen to the similar dozen to projective with dist to similar dozen to similar up to boogh the similar dozen to the similar dozen to similar dozen to the similar dozen to similar dozen to the similar dozen to the similar dozen to the similar dozen to the similar dozen to similar to the similar similar similar dozen to similar dozen to the similar dozen to the similar dozen to the similar dozen to similar dozen to the similar dozen to the similar similar dozen to the similar simil

We now have been pair to be the pair frame of the pair frame of the pair of t

No. 18.



In No. 14, 4, 5, and d, the note A is naturally increasing by the car with the primary mind of the unbiammant. At b, 62 The Teachings of Hermony as a Basis of Ser Training.

the progression shows the A in this ensurple as pert of the separations taked. In none of these cases does the with degree predices a " and " office on the mind.

Gathering together the results of our examination of the movements of scale degrees in the simplest harmore progressions, we find that we have review in easy way for the promp baginase in our training by which each degree may be toroamped.

Furthly, the degrees of the stack prove to be of two landle the effect that they problem as the match can easily the set, and the effect that they problem as the match can easily the set, and the effect of the set of the

The other degrees are incorreplate on the anz, and require further progression, and have for this reason been called the "work resta."

When block, Of these four, the leading-neste, as its name implies, has a denire, or modelery, to find up to its tamin, while the majoritoph has a distance foreshowy to full to the twich, the middenimizat appends to its carr by the duti or clouded officit and no denire to full to the modelers, while the simildenire to fill the modelers while the similar of deprivation.

These deductions we use density softline to make from the foregoing scattering on a straight horizonic programment. It benefit margine that shows that a straight of the straight a densy present. They are not a straight official set beliefs in to asy that it say wave. But this we can, and do beliefs in to asy that it say wave. But this we can, and so we have have a set of generalizations which will ad the straight of the straight of generalizations which will ad the set of the straight straight of the set of the straight of sets the sets the straight of the set of the sets the straight sets the sets the sets that we set of the sets the sets the sets the sets the sets that sets the sets th

(Illestration with Mits Makinton)

The Tonchings of Hormony as a Bays of Kar Training. 64

Editeding our examination of harmony to the chief cherols of the mass random, of courses, take the system of the chief between the course, and the variable system of the between the course, and the warnes dependent the incide, that ensures in an emerical in a rensor rat in a ranger, and therefore C minor and C major must be compared -net C major and A minor.

Comparing C mayor with the harmonic item of C reform, we find only two actss difference—rists, K that, the minar therd of the weak, and A bit, the more sorth of the seeks hard of the weak, and A bit, the more sorth of the seeks hard of the seeks and the set of the seeks of the leavest the bit of the set of the set of the set of the cherd a more and or relationshold yields the maper cherd. The key-sets and the dismutat return exactly their frames channels, the one of framewing, the owner of the physics.

In adapt point with designs to rate, and the orportpoint to Dal. The subdeminant time certains the finitesed sixth degree, being F. A fint, C. The subdeviations Freitmeithe character of datasets and bits design to Inf. Correporting the mance inside with the reacies south, we find that the design to Dal to the HM is reaching trainabled in the minor inside-

This imperative tendency of the flattened south to full in beene out in every chood in the mixor mode which counting that reven-



In No. 14, a, b, c, d, we find this true, nor is it difficult to account for it, since in the majority of cases the flattened moth degree may be traced in a distribution from the dominant meet, from which it is the miner similar. Hence the stream facility of a denire to full in resolution. .

64 The Teachings of Hornwest as a Basis of Bar Teaching.

But large other notes remain to complete the chromatic ands of harmony—ofer, D but P sharp, and B fail. Of these the futured sevents is easily recognized by the car, since its horids with the boxes a record seventing is fail, and so affecting is atrong control to the major seventh, which during is min.

The segmential fourth (F sharp) is select on by the car as heing the leading-note to the lay of the dominant, and thus, in its dense to rise, it contrasts itself with the downer. South derree, which, with its dell effect, designs to fall.

Lastly, the fluteened second degree (D dai), which harmony threes us is to allow used as part of the Neapalline such jos shown in No. 14, 4), desires, though in a more intensified means three field degrees in fall on the tank.

We have new, by the sauchings of harmony, heat shield to formulate a method by which our young pupils can toti to may degree of the chargenatic acale which we may strike, abuye powerded the same is first power.

Since the rethod a based cattridy on the relationship of cash noise to us tonic, the pupil will, when once the plan has been maniseed, be able on easily to work in one major key as an archive.

(Flastration in the notes of the chromatic scale by Mass Blakings.)

We are of course it-shy only should with the same domain into your of an enables, and therefore, it exclusions, it shall very hearing show how the elements of harroway smalls the payell to bell contrush. There we will drive it in the colonserthese of which it is need to the lower none, and secondly, those intervals is which it is need to be been one.

In partice to this perture of the work we may well reserved that it is waitrate that the or any photo humonecoua strange natures to the single assist of very realidic parage, it is doubly true that the error restrices every interfaceous standing of two nature-wa, every interval, in just of e observtions of the single motion, for reast to a strate of e observtions of single parts, for reast so will it be in the distortion of intervals.

In the subjecting of cases the old possible effects which we deread possible in the means as more degrees well be found a straight of the straight of the straight of the straight effect of the straight of the straight of the straight of the arr miner effect with the modeling double is overrelated. These are miner avectable, as a part of a cheed, has so mainted a straight of the laterange cheedenics, which is composited by the models when laterange cheedenics, which are greated by the models of the laterange cheedenics, which are greated by the models of the laterange cheedenics.

be found, however, that in the respecty of intervals this is sol-the case, and the old mental effects of the scale degrees will servals, and he of the createst use in the determination of the

legree [No. 15, 41-

الم الم الم الم الم الم الم

The major third (No. 14, A) still scends take and scatched-in-14, c) is and and melanchely. The perfect fourth energially (No. 18. d). The major with (No. 16. c) desires to full on the to do the same threat. Even in the interval of the many severals (No. 15, 2), the tendency of the leader note to ascend is not completely overcome, but the car scame to



barrans wil be more directly apparent. Thus in the monor -the minut thind. In the major second (No. 16, 5) the lower note has a condense to fall a serviceore, and is less freer in its discordancy than was the minor scourd. The marreated a degree. Lottly, is the mirce sewath (No. 26, d)the teachsag of harmony and the desire of the car for resolution agree, and the interval is known by the tendency of the upper sets

We have tranced of the class of intervals arrive between scale. This scale which seconds his flats with the solitary

60 The Teachings of Harmony as a Basis of Ear Durining.

scraption of the pharpened fearth degree, joy an 'Bit Holsen Derry' ages in Greevel. Bettichney, "elseyhead the most constitution," which is well a solublastic har at one corresponding to the solution of t

I read not propose on your time in dealing help with instruction of wheth the torses is and the desynaster, Dirity) let me polat out that in these, as was the case in the other deas, frequently the mean-like effect of the scale degrees will still remain. This is the case in all intervals derived from the optimizery induction to up will above —

a. 17.

6

In all these cases the core can trues the noise of the intervals by their individual peculiarities. In other cases, the power of the harmongs effect of the interval will perturb, if and erritarly, overrids the more ample maledic effect of the scale district. These, in Na. size-

St 11 6 100 1 9 1 2 1

each of the intervals has its own harmonic effect, but en hearing the borne first the sar of the popul will eachly graup some fact that will still it, and thus by systematic precise every interval struck will be readily stated. Putther than the 1 event and or its mile.

What has been the edgest of age meansther? To try paid events from the hearing which is constantly parametaling our fitting parameters and "Adminis states for white, detuing the states of the states of the states of the states of the system of the states of the states of parentity of the states of the states of the range of english range with the problem, the scattanes of parentities solv-will be reached, because the paralle will be states of the states of the states of the states relates solv-will be near hear to stategorie result and states relates solv-will be near hear to stategorie result and parently relates solv-will be near hear to stategorie result and parently.

The quick and ready way in which any well-trained schoolboard buy will name in his solids the scends sump The Teachings of Hormony as a Beau of Bar Training. 69

So have been a first every of our shall inside/tiles to the fields granter and near several several several several several products and near selective have been deviced on the several in second of the analysis of the several several several deviced of the set of the several several several several deviced of the set of the several several several several deviced of the several several several several several deviced between the several several several several several devices the several several several several several several devices the several several several several several several devices the several several several several several several several devices the several several several several several several several devices the several several several several several several several several devices the several sever

DISCUSSION.

68 The Teachings of Harmony as a Dasis of Kar Transing

and that of many others before us, we must conclude that we cannot bear melhods on the assumption that ordunary pupils can guin the sense of abashoe texts. There are read other courses orce to us We may observe the interval as perfect Abh la nervorationic bracht, the motor thread to second, and an on. That was the own advited by some teachers. It is not possible now to give anything like a hadory of the sphert, an even Dr. Samer det net notice Ettern Manuel in 1897. It rearranges an hannest and hard washing effort to are alread that the public was not then in the mood to receive Infortunately. Ritter bases his clan too work on the logical to take gradually larger and larger intervals till you ret in the ottage. But thearh I threa the hook descrete attention for many flaper in ft. 1 creat any I do not like the 1 think metter will and can truch name to observe them to take there in melody. Many, I think, hear the mental terres of externals. When C and E are strack hurther the It hears there both at once, raid as when you are these race but if I showed you out and a little while alterwards the other, it would not be so casy to decide. I noticed that the young holy you have just heard first had the mates played found difficult to recognize directly is that scale degree effect concess the mind and draws streation from months internal officer. The third that is to try to swakes this areas of treat relationship. That is the cely clan that you can assigned as possible on the part of the average pupil; and shut. I son slad to see, is the plan which Dr. Sawyer has sciented and Dr. Stine also, I behaves access. All maries caurses, no matter what their obsect, should melode extraining. If it is necessary for the training of oblifteen in before I all down, I should like to have the plenage of proposing a very hearty role of thanks to Dr. Sawetz.

The Teachings of Hormany as a Basis of Bar Transing. 49

Package Dr. Shinn will second that, and take the opportunity of letting as know what he thinks on the matter.

Dr. Sarses .-- I think I should be particularly ungrateful, both to Dr. Sawyer and to yourself, if I did not rise to thenk Parratt who hast introduced the schuct of our training to as a slight recognition of what he did for me to this directive. His elesses at the Royal Collary of Made are largely devoted to munical dictables energies. With record to Dr. Source's method. I man not that your laterly it to ree the basis. At the same time 1 do not arree with courthing paper in this respect, because we could very well go on damager in this respect, because we could very well go on discussion it all early. With primings to the trailmany of the superioris to fall, we find this note many times where cases it does not suggest falling to the tartic: and I do marmed a full to the topic as Dr. Seweer secred to trink. Then in Excepte s, a, he played only those two chords. I do not admit that the progunion is in the key of C na it stands. The same lights with respect to 5. 0. I do not mean to say that if he had prefired the chord of C the effect would not have been as he repretented it; but suppose he not the churd of C first, and then took the preservation. Even if you busts with the chord of C and then harmonise the leading more with the dominant chord and take it down to A, I do not think it is at all uncattend. You much of how we may base our teachase on more than one principle 11 I might venture to speak on the solor think it is investig a watter of westal descionents ranger of castrol by the human mind over the pravice mind. The study of ear training is a vital part of the study of harrowing. To make harrowny the house of any training of somewhat analogous to taking gracemar as the hards for the state of the meaning of words. You do not go to grammar to explain the meaning of a word; and I do not a chord. Unless you take ear training as the basis of berrow, harnory is a nor-runical rebiect. The two

20 The Trackings of Harmony as a Baais of Ray Training.

decement. Dr. Sowver and A. is more readly emoted than S. That is because we hear it very much oftener. readly than R. If Scener's theory of heredity is rightand many men of solence believe in Spencer-the largest mind through generations has been familiarised with para tradency to accept what our approximits accepted more readly than what is novel and unfauthur. I thank that know way of, but I believe that is really at the borrors of the solvect. Harmony must be tought as we teach ear training. You must introduce your chards to the art fast at at the tree you introduce them on paper. We owe a say this the more reachly becaute I am not a salidated. would arrest think of C-E flat as C-D share. I think that is a matter which will depend on the inference of our coverenance upon us. With record to C going to F sharp. I should not ague with him I do not think we hear an successful fourth mass after than a distinished fifth. With mentd to G sharp. I somet that so successed with in s. reper interval then a more such. The whole being of the to familiar to one. In secondiar this yote of thinks I are sure that we all feel that we owe a treat debt of gratitude to Dr. Summer. The cover is not one to be discussed at a carefully and from which we should learn scratthing. With regred to this solvect of car-training, we seem to be passing In our importance ; our present stage recomposits the differcoces of operior of the inquiring, and miney are coming ences al optime of the moniting, and many are coming forward to tell on what they think hast. Then in the that stare we came to the anarymity of the wite. I have we shall some day reach that happy condition.

The vote of thanks was then eased unavariantly.

Mr. W. Hourses Bessen, due thus occurred to no which these interactions are being given, and that is that two thereds do not always marks a key. For matters, I hourd No. It as charry in the key of R. 1 that Dr. Sawyer should have played more chards in poler to establish the key. I should always key from one of the dust as that the produced here the poler with established. The settle effect of the the state with established the settle with the Chards more. It think the Saweer's vision in the infini-

The Teachings of Harmony as a Basis of Sor Training. 71

We must begin with the very easy things. One of the critics, is seviewing Dr. Sawyer's new book, new that he of potes. Of opuras these these should be learnt in childknowledge wer will find children will learn most easily from the scale effect. After they have thoroughly imholed the difficult (hugs) and there, I think, the study of interval the intervals contained in them; and in teaching chords it is always well to analyse those intervals. The differ inversions have totally different effects, largely because of the different seteratio introduced. The effect of internal is a strong point which we suggi not explit ; but it is not mention of the minor key we had better not en unto. But the intervals of the mixed serie certainly have a very Allerent effect from these of the nexus. The effort of se scale tone roverne convibing. This study is a most interesting one and 2 one is taken in teaching dollars we should eaterst from them. But later in life wery burle

Dr. Suwers -- I will not take more than a manute, because I think an have far too much entrarched an the time of curious how we all look at the world from our own point of which is the real masseal world. Outside there is a small world who learn tonic sol-is and know a bitle about the staff. for per cent, of those children would care learn the staff, the influence of that teaching is entirely just when they have the Board schools, whereas these children whom I have in story are all or nearly all foreflar web the staff already. I entitely acree with Dr. McNauche about intervals. But it is most interesting to note what a different mental effect the same pair of notes have in different combinations. Server New add E fat below. You are the major oberof E fat. Or, instead, we may add C. The conclusion appears to be a command meeting in P. Or and A. If now notes is wholly different in each case. I think the experiments I have made with pupils who have learnt that way is that they non art very bereive. With regard to the

22 The Touchings of Harmony as a Basis of Ear Training.

W. G. MCNAUGHT, Esp., Mus. Doc., In THE COARS.

THE BALALAIRA.

It may usepa exposebility, in these times of neuroilap increases of centralings, that its furty of instructure is possessing events meansal antibiotics should be its vegate in a large portion of lowers of stype is unclearen or neuroisan genorality. Neuroterior of the balatical genomesment bill-orike help is unforward to our standard order on calculatancia is is not mentationed, allowed its distance for standard in the out mentation allowed its distance of the standard standard and the allowed its distance for standard standard in the outcelling wavelenges setures with the model models.

Car The solution is a transported, or operating, the proper one. Fourier operation of the properties of the properties proper one. The properties of the p

Having cluded to the link pipes, mother typically relivent interments occurs to me. The limb hand having might still be pleaseneity callevised in our determine. It has have been and the interpretent address. It means while reality, it may therefore be regarded as a factor of transmitishe for conserving addressed in the second theory in the base for a second star and the mean and a second theory in the second star and the mean and and the second star and the second star and the second star is a press paging, used to applied the mean and and a score of a press paging, used to applied the mean and a score of the second star and the second

of the programme. This was interest to sticrilively and with maximum pleasure and understanding by a large and entropymere archerory.

As a sola instrument the balalation has little value : hein ensemble playing it encels. I learnt that the chief of all balaloks playing it month in Andreif, of 54. Petersburg, carnered to play at the Enhylpron. To have credit to ment, and, secondly, for having promoted excellence in easeable rather than is solo playing. Since he has done by leave and bounds. The instrument has in fect, become in it. Even as the Scot will always love his popes, so the Entries has always brend his balalation. Away to the software, and dreamy worker. At the form at Nors it is to he heard increasantly, and from any convivual vodice party or classes, but cels in moral years has it here afferter by index of fashion, who olden now play the balalation to their friends of an evening. Professional players are selden with the help of a referry for self-matronice, such as E. Dokkor-Sheek's Teter for the Eablarks. As much

Let service the by track and handle handles a subtoor strategy. One can also an end of the service of the horizontee of the service of the

The effect produced by a full cheir of bulshaki is as deficult to describe in words as would be the effect of a new shade of

The Reisseite.

colour. There is security of the matching rule's store of the ster, allowed the bination works of the rule of more solution. April, the work is bound works the star of the steries of the star of the star of the star spin explanation. On two accurates when 1 hand the spin emphasis. On two accurates when 1 hand the store, and boundaries the star of the star of the store and star of the star of the star of the store, and see the star of the star of the star of the store, and see the star of the star will a true, they produce the star of the s

It is a trailer to sop that a propert dynamic dynamic and walk any spectra into an one one is both property dynamic and the darks of a son. To extrany stars, the Maldeb-ball and the source of the second stars and the source of a spectra in a work-debt. These heavy second is a solution, is a spectra in a work-debt. These heavy second is a solution, is a spectra in a work-debt. These heavy second is a spectra of the star is a spectra in the spectra of the spectra of the spectra of darks in the spectra of the spectra of the spectra of darks in the spectra of the spectra stars, and the spectra of darks in the spectra of the spectra stars, and the spectra of darks in the spectra of the spectra stars, and the spectra of darks in the spectra of the spectra stars, and the spectra of darks in the spectra of the spectra stars, and the spectra of the spectra of the spectra stars, and the spectra of the spectra of the spectra stars, and the spectra of the spectra of the spectra stars, and the spectra of the spectra of the spectra stars, and the spectra of the spectra of the spectra stars, and the spectra of the spectra of the spectra of the spectra spectra of the spectra of the spectra of the spectra stars, and the spectra of the spectra of the spectra of the spectra spectra spectra of the spectra of t



The measurements of the Trimo buildaids were as inflows toprome not on fingura based to budge, regime to the second se

A balanka piyer as adden hogy unlan be piyer os hi own isotranent, hoesene the instruments in no two hands are transf systematically affin. In turing, every lesser assess to sait his own farsy in anged to visible asses are to be open or not. The longenge interski, directive, preferred to one which all statch mode are noted. The pithe, of overse, is the usual disposes oceraal, although this is ransed or issued or result; effects effects.

It should be need that any the principal paper is much that the start of the start of the start of the start and parts been preferrent paper in plantaux relations with start been preferrent paper in plantaux relations with start of the start of the start of the start of the start with the first figure of the right hand, storping or a respitivation, the start of the start hand, longing or a respitivation, the start of the right hand way light for stores are to mostly proposed from signal to be with starts, stores are the start of the right hand way light for stores the start of the right hand way light for stores the start of the right hand way light for stores the start of the start start. The start was the stores in lengths, to repeat such stores store the start stores in the stores, and a start true. These



For piczonia ploying, the hand is closed. One frager after another produces a better uses that if the same fager is slower used. Appopriates are given publicities with the charab of the last hand, while the other flagen pers the fingen-bard is produce the notes. When a gluando is played, the appognitures are mended with the neb hand.

Passerbale, late of Moscow and now of St. Petershurg, is removed to be the best balaksing maker. For the Robe

The Scialcing.

Capila is made one piccole, one prime, and the altoinstrument. Aknues, of St. Petersburg, made the ashes piccole. Vennoti, of St. Petersburg, and Alexandroff, of Honcow, manufactured the two bases and the past every-hans.

The best balantic cost about giv, or soo reables such.

Being too yoor to bay an instrument, the Russian persons makes his own, buildski. Russian head to be a summaries may be the rough often gpin surveilless mains out of a. The wood mode is the Russian speech 27, of which flares in glotty to be had. Thes instruments, however, are ables made of other woods. A support cose I are which they resulting version is a support of the same bound person flare or a support of the same bound bound such atlant.

The head of the balains is guitar shaped. As already mentioned, it is occasionally well carved

There are only three tuning pega-semilar is shape to those in the violin. These are usually of very. A few biolasis, however, have experience and string being doubled to increase the preseduction of the semicondry contractions holders, as use red, or use, suscess than the rath hand corner.

so that the player, lake a collist, may get a firm hold from the ground.

The rate is a particle of the characteristic field of the lead of the distribution of the characteristic field of

Learners are actional, points, point, and correction fints. In the limit, or providely holdshife, the mounter of lens is thready loop, Theretexic college to high thread to the point thready loop. The second second second second second holdshife is the decorrection of the second second second in the discontaints hallshife, they are used for charden. This is the discontaints hallshife, it is done of they done the second the singule hallshife is a done of years of more thread on the A major or monon-bot the discontaint is not more and here. A major or monon-bot the discontaint is not more and they do loop. Compared with file tready-used first of the periodity.

It is strept to both the consolidation of goods and some process prime of the strept of the prime strept of the st

The Balabriks

Understanding in the typical learnesses, where the back is more regarded, the latter is quarked to it full homorephone, which reads an the sight arms of the player, and sensitimatic strain of the strain of the player. The strain match hallands, the learnesses halo is secreted in the homorepice by means of wooking rags. This battors, which corrects the shark and holy, compute a strain of the homorepice dynamics of the instruments. Jets the bettern three mean threads in the homore which is shared with the homoremean threads in the hole of the instruments of the homoremean threads in the hole in the instruments of the homoremean threads in the hole in the homore-

As shown poold, there are only then strange in the terms of the strange interactions in our reast, making the terms of the strange of the terms of the terms of the terms of the propose of a terms of the terms, secretares densities and the terms of terms of the terms of the terms of the terms of the terms of terms of the terms of the terms of the terms of the terms of terms of the terms of terms

An experience of the second se

In the shetch I gree, showing a paramet playing the matrixmant, the performer is supporting the bottom-place on the upper part of his right arm. And here it may be needed that the focus from of the balanche is alwayed level. At few supper it appears flat and is therefore not a "botty" is the arms orange. Complady examined, however, it is now to be diverged



convex, after the style of the oliters. It is, in fact, part of a true near-beard, bears the physe who does not earne ha resignations, will save them be have been been been at all people researce. The belly weakly consents of low related the true after here the true has been been been related at the stars. The belly weakly consents of how

Issued of being first over the state of the instrument as in the vields, it in obstrated sound and late into the state. On the being the bridge values that of the state latest states of the root bases postmern—with two forst. Instatest meters as sourcepost, but the being is mappented by three hurs or rain, No a genera. The strip har is below the bridge, the second above it, and the likelity is presented the three hurs or rain. No a genera. The strip har is below the bridge, the second above it insertions of the limit forware three shows the balo.

An entropy along a truty is balance the first period of the second seco

In regirt to cortes, the balance more through the property of the strength to be a strength

the triangular balancia, because one only the properties, of the other, differences and the material of the difference of the content of the difference because with the difference because with the difference because with the difference because of the balances—the products, as the material balance bala

Whenever a stranger event that of the permeasurements of the computer halokalar, the Remon consider the form operation to even their approximation of the stranger topologic stranger and the stranger of the stranger halo be approximately account of the stranger halo be approximately activity of the stranger provider them to be.

During the four and a half years which the Role Capelle has been helfert the Romann public, it has appeared with variantice measures in Monowy Sc. Patramplage, Delana, Karv, Crenow, Warawe, and other places. Adaptations of operels, arrangements of Latory talpooles, Au, and included in the programmers, the check attents of which are sense twenty polnomina of Randina aim.

Such Resource reaching, as -'T. P. Natt' - research length of the set of the

That the balancian is as much a white of perturner star is a transite to torpachorman concreter, the following incident may theme. As Englishess I met, who had conby the overlined rocks then Nichersonak to Moneouv, ment one because heided in the train batween Strattend and Linkits, a young min was unking how to a pill by physing the balancia tagk—for several days I Yee-the mail separation. Start and agk-for several days I Yee-the mail The Balainsho,

The halabake is an much the neticeal monital instrument of Rouss as the Sombor in of Jayan. To show how it is calibrated by all classes, I may mendion that General Retryeff, moster of the Interprint Hans, at Peterbeft, has hady formed a halabaka capath of young hantmann, who are instructed by Mo. IIBs Role.

Again them (as that hat has been to show the second sympactic and the second sympact and the second sympactic andimensympact and the second sympac

If I have domentrated that the Remap pdds in their methods of the second second second second second second second temporal to initiation is a second, we write a stratical potential is has a prophysical constraint in capital second the existences in the second the existence is a second second second second second the existence is a second second second second second balance is a second second second second second balance is a second second

The Balefahe.

DISCUSSION.

The Commun.-This is a poper which may not instite general discussion, but there may be sense here who may have senseting to say on it and we shall be very glad to hear them.

I full hardly motified in detailing you by any remarks of reise. Mr. Rose has not said southme about the antiquity of the balalados. It is not a very old instrument. It emsted in its phiest form as the douben, a sort of gustar, the string of which were vibrated by the fingers. This is still the upcial instrument of the Tatara, which some to suggest that the baldeks was of Tatar rather than of Showing origin. The gamler is, perhaps, the national instrument of Dispiture. There is also the graded, a strated instrument which played a very important part in the mane of ancien This restriction is a surround by many automittee to be eating. A few years any, however, it was compared that a rendek-player still fived on the banks of Lake Onege An exploration property in a bash official position in St. Princherg, telegraphed to the groomer of the Olonete her the police flad with his sounds) rate the wilds of Siberia and has haven been search of again. I haven to instrument in now lost Other instruments alled to the balalada are the chowyear, the halalatka of the Maartelians, a Caucanan othe. acts as a polal is the highest reposer. Although the Humodama tre as critical pages, their madding are not as all adjented in character. They are covers distants and modes. (President modes, Iosia and Dark) This is to be accessed for by the fact that the Minerelians, He the the influence of reference ments seems to have estimly noned and the memory of their old presidul resters.

are the second of the fact that the second press. The Constraint-I when the statement open the swery heaving vote of that has be given to Mr. None. I have the avery of the instruction by definit, and I when the statement before many about the instrument than favor have before. The vote of that has a statement insultance in

MUSICAL ASSOCIATION.

7458677 G. 1001.

Ma Sourcears (who occupied the chair pending the arrival of Dr. Mastean) .- Parlon me far standing for a root distinguished murble, Dr. William Pole, one of the rightware. Here we may rang damy the fact that he was of the same any he are Declarge of that offerers in the confirm at University College, Lowlor, and later at the Royal Engineer establishment at Chatham. He was a member al several Generancet Royal Commission, and, and he was emecially proof of his Oxford Men. Doc. downs which he took is thin. It uses contain to bigs that the Degree, which he took in 1909. If was overig to this that the far tweive years he acted as they Easurager. He was no Hoe, Fellow of the Noral College of Organests and a member of resurni price/life and learned portation. Chara thered will work. Beyond has nomenous writings on many innorthen subjects I think we may count as the greatest that reaster? server " The Thileworks of Music." It was the first attenue. so for as I impy, to promite the misloundy of sufferings, able sames here, and, in the engly days of the Association, several discussions with no small advantage to us. Besides of his least he can a section approving the province part of the foreral service, which our President attended with other members, I heard, with must riseaure, his Molet, Paulro, in eight parts. It so, I wenture to think one of the I will sak you to pass a wate of cardelezes to be sent to Dr. Pair's family from the members of this Association.

JANRARY & 1905.

DR. CHARLES MACLEAN,

VIOR-PASSICENT,

IN THE COMP.

MUSIC AND MUSICIANS OF THE WALLOON PROFINCES OF BELGIUM

By W. W. Contayy.

roas teaching on the musical side of my paper it may he well to rest out that the regulation of Belgium in speaking a language which is practically Datch, and the Walkoon, of Gelfic engin, speaking French and Walkoon, The latter occupy the S.W. provinces of Litige, Namer, Hainault, S. Brahant, and W. Lanorebearr, and steak a Rowanee disject, very skip to northern Passeh of the thirtscoth century. Roughly speaking, the Fieurish dialect council be used that there is much difference between the requ populations in point of numbers. But the two rates are crate during a much as as Welch and English and for the same etheral states. The very word Wallace has the target Melther Thurley nor Walton habes his schole. The former is fair, phicempter, and inclusing more to the reflection than the active life. The latter is dark successe, hereby and crementit. The Wallooss were always to the fore m produtionary struggles, especially those which calarinated in the courtherine of the Dutch in 15an. For they need almady very gangly as for back as the fifteenth century. In

It is a fact which is not quite in harmony with the theories of Mr. Reakin's charging that the industrial and consenses paramits which are personage to Belguan do not bucket the people form taking an aboveling retrees in the arts. The 18 Many and Hutterest of the Wellows Provinces of Delvines.

frequent motions of the blood of this methods race with that of samey Spain may partially scewart for this. Be thet as it may, the Plantith have no maste love of pointing and facing for tokers.

Aritype has been for contrast a neutropole of art and a fing peters. On the other has been been been been been recarded a manual approach, which dissents a sum and measures and peters of the second second second second second as a peters of the second se

I think I may trace this internat to its first searce by recalling orthom conversions with my fixed Jam Génardy, the distantished years volcescellas.

Moac and Mancoust of the Walloon Provinces of Balanan, 54

Colgent Construction in the Print Exclusion, our of explane free evolution is well been provided in the Wildeen provement. The state of the Construction is the Construction of the Const

¹⁰ Mony and Parsenal Netherlandish composers of the part we have in the Wallson distinct. They did a prest work is anothing the residual art is the dimensional polyheous and constructions, and the world prefix to this day by their labors. How and the Wallson were interestive threadens in How and the Wallson were interestive threadens in.

The second seco

40 Music and Mancience of the Wellows Provinces of Brightman,

to be found in the Pupal Chapel exactly one hundred years much fitted by Louis XII. Indeed, the municipus of that period bashed more in the sanshise of royal favour than "Other maintings," he wrote, "do what they can with notes --forgan does what he loss." His compositions were not only written for the closerly, but include some service works. which are said to be fall of visuality ; and here the true Walloon ratery ports out, a matery in which investible sports and senably are predeminant. The composer also same after Nes. Roland de Later, better brown as Orlando. Lasas was been in 1940, at Mora, and was devined to receive the bornary of all the manetime of his time. Board personages vied with each other is doing him honear, and eventually he was manupped by Albert V., Dake of Bewern, little is converse with the King Louis of Bararia of our own here to work in more for the work's herefy. Thus history presents the spectacle of two princes and two composite pointing bands across the conterfers. Lasses way, above all, he reast have lived inheritan days. Yet he earned a receasand conversational powers. But, also I has brillant merital fandhiss because obscured in later He, and the man who was wont to set the table in a your became a victim to settled been accomplished, and it may be said that, next to Pales-

Of the severited all colory I have to more a fill before many material in colory I have to more a fillengement of manual intercontents for theoretical works and the severite and the severite severite and the severite severite and the severite severite and the severite severite theoret and the severite severite and the severite severite and the severite sever

Manu and Manusans of the Wallace Provinces of Belgium, 10

at Lifer in 1747, and at the age of seven began life, file so many mulcium, as a choristar bay, learning the elements of mome in the College of St. Dens.

In 1753, an Julius Open Company give score representations at Littps, which included Pergular's "Servo Fadowa," and these mode on responses on the young composer which coloured his whole cause.

The control of the target of the target denses which a maps of the target of the targe

At to Getty's open at 10 were near and have prime has a structure of the structure of the structure of the strucless to a comparison of point of the vertices in a material has been with powers infertily greater. Nevertheless des ansate of Getty as a sharmon one. May describe that the structure of the structure of the structure of the powers. He dad, to this, as the Herrizage of Meetmensy, benefit the bases of the struct. These power stateded by all the workfilteness with a finited near the dad, the height at the Herrizage of Meetmensy, benefit the bases of the structure of the message of the structure of the large, and the pair state structure on magnetized to the message structure of the structure of th

2) Seen much and Appendix with physics. Second second second methods of Actorse Constraints and the second seco
gn Mane and Musicians of the Weilson Provinces of Belgium.

on the ground that they had never hand of him. If anyone present has specialised the maximil history of London and scores semithing of Greansk's doings, I hope he will speak on the unbits.

The many of the Walloon composers is mostly of the type known as ordenteel. I mean that it is not dealert means her that of Nerway or Roberta, But any Ican Meel Hamal sameting distinctively Wildon. At any rate, in his quarter which I shall have a good deal to say. Mentime I may of the ereat composers of the period. A troups from Likes Narroustes in Paris, with J believe, considerable success, or M. Dougher has no loose or ander. Me and M. Hiller are both from Likge, and have kindly voluntaered to rive us an idea of the Lirge Orlanguon, which is sang and dapoid at every Kernesis and much lite in the Prevince of Likes, and is independen to the country. The Crampion is student of human nature, tellity at once of the lane of grants and of the native guicty of the Walloos catage, Miners, make and ferrale, descend in their cage to the dark recomm of the earth, the men singing goily, the women bright of eveparb also woars can barnik enfects from this Mare Plason of quister. A voice diam a couplet to a popular Colonization man and a fear with hands enlaged and in the relation events fast and durings, the metry itsele budge and louder. boling along after a leader holding a fing alok, upping in al one door and out of mother his a greated servent, surround challer then, then deperting hack same sets made file. Mune and Marinana of the Wallage Prevenues of Reignam. 43

The scores are the form a Solidal a control resp. (a) the score of th

Binds and personer muser tunn measures. I have write not constrained of celeritynom, the compiler of which, Mr. Leonard Terry, glosed the gold medal offered by the Likes Society of Weilson Birentane for the mean complete collection possible of the Likes Criteripoon. Mr. Terry a were dimensible of uniformized write, or

Mr. Tetry, a very distinguished obligations, write, or od dword by data. Anotheric was have been period to the period dword by data. Anotheric was have been period to the period dword by data. It through "Three costs and the period was and the second dword of the second dword dword was and the second dword dword dword dword dword was and the second dword dword dword dword dword and the second to the second dword dword dword dword was and the second dword dword dword dword dword and the second dword dword dword dword dword dword and the second dword dword dword dword dword dword and the second dword dword

With injurge tracts a reason. It. Tray points end the ordinase without and the second second second second second second active soundly a flow of them, but which without an end the flow independence by an end second second second second without a flow global second second second second second without first. Ending Goodd is a pathone to has collection of these all digitals of dolorements, these all the traces to some catator of noticed realizes. With these Criteripous is in typics where all collections with these Criteripous is in typics where all collections with these Criteripous is in typics where all collections with these Criteripous is in typics where the collection of the overlow. 44 Masie and Massesses of the Weilcon Prevences of Belgium.

(At this pesiture a selection of Litge Crarignons was sarg by MM. Deviller and Hilber.)

To some estent you are now able to form an idea of the Walloon Crimpton. Denord as well as many with cherus ton the well master it is separation rate offered.

¹ I trust I us not in coefficit with the summer tenditions of this Society in tensiting of these popular rougs. They are not help art, but I consider that they form a guide to cartain trans of character, and a manifespape, of the reactain predictivities of the purple, and, so such. I have offered them to you.

Loss year, as company with Monascer (Grandy, I paid a strain Like) for the Monascer of Contensystem, Mandau and Strain and Strain and Strain and Strain and Strain and Postal (Bh) where opera law loss graves for quiry marking the main and strain strain and the strain and the strain of the strain strain strain strain and the strain strain strain strain and strain strain

The Conservators of Lings is probably the ablest in Belgrum, having a bistopy which dates further back then Hay, that eventful year which means so much to every Belgrup correst.

A proposal was made as far basic as egoli by ease Hears Hearsh for the catalulations of a munic action on account of the decadence of the maintains, the saly hears for instruction for eight constraints. Hold Worker Crawton had, more the Hearsh's disc, inserver by all in the list of mark, Hearsh's disc, inserver and tradient fit a questry of a contary later.

In the actual of sense, we breakd, and a the discretion of the sense strethy data grifts and its gradiences, list in the discretion of the sense strethy data is a sense of the sense of the discretion of the sense of the sense of the sense of the discretion of the sense of the sense of the sense of the discretion of the sense of the sense of the sense of the discretion of the sense of the sense of the sense discretion of the sense of the sense of the sense of the discretion of the sense the sense of the sense the sense of the sense of the sense of the sense of the sense is the sense of the sense of the sense of the sense of the sense is the sense of the sense of the sense of the sense of the sense is the sense of the sense of the sense of the sense of the sense is the sense of the sense of the sense of the sense of the sense is the sense of the sense of the sense of the sense of the sense is the sense of the sense is the sense of the sense of the sense of the sense of the sense is the sense of the sense is the sense of the sense is the sense of the sense o Monie and Musiciens of the Wellion Provinces of Belevin, on

The start is a start of a strength of the start of the strength of the start of the strength of the strength

Bruacis, a world farrows institution, receives (Rooo avanally,

Statusy, a solvey which has trained reary catchest object, a solvey which has trained reary catchest resonances in a solvey of solvey and the Breasele Conservation, receive gaps, and denote gaps, the object restances, subsidiard by the town only-Guildian solvey of the solvey of the solvey of the solvey of the backet of matrix is retrieved.

I are not prepared to say how many of these stant, but I have a note that an early as skys offend documents show that all schedule existed these, some giving primary mitraction only, but nove being pressne academics, embracine all branches of the art.

The Walton towns of Townso, Verviers, Nassar, and Charleson may be agreaded as possessing admirable whether it is bird.

Receiving to the subject of the Prox de Raws, I that that it is not attractagil invert that this competition cruits in Balgion as well as in Praze, and no is conclude that a two serviceies in crupted to the way it is concluded that with the provide the subject of the subject of the ability of the competitions, in regret to the invest of the contains, says in Parella is how part withing of the contains, says in Parella is how part withing of the contains, says in Parella is not used to the Marcu of contains and the subject of the subject of the subject of the contains. of Music and Musicipus of the Walloon Pressures of Britism.

are previously choses in a preliminary competition among Relevan arehout. Theratualities data are stored to the competitors is which to score the captains, and they are confined together within the walls of a bound, with a garden in which to take the zir. They are allowed to communicate freely with each other hat not with the natureworld. At the end of twenty-three days they give in the score and every scoup of paper upon which they have made rates and comes of the access are banded to each member years, a so-called first second prize, and other honourable meetings. Each conception gives a bearing to the inrurof his during which there is, of course, no conceptions. The first on his trauets. This accreantished, by is obliged to travel to work. The happy wrater of this price receives a reception at the Town Hall and an ownton from from the searchivers, weather, figures, and bein enthesized bring the barely keependle that any Engleitman should think of ormulation such a suception on the occases, let us say, of

A large check of segmentations allowed the set of the segmentation of the set of the se

Hunts and Manesana of the Walloun Pressness of Belgium 17

those who possess special gifts. This is advantable hear the efficial post of view-in-it would need to scene to scene the gravitot happeness of the granteer number. But there is such to be added to be added to be advantaged by the state of the state possible. Justitute that this is an advantage not easily the brilliant states of artists which these tableford school hear three first which these tableford school and the trafficant states of artists which these tableford school hear three three states of artists which these tableford school hear three three school hear to be compared to a school hear the school hear three school hear to be compared to a school hear the trafficant senses of artists which these tableford schools.

Aprint hous States and manaripal and the Ladge Conservtion engrypt the absolution of a logged 1 outputs forces in the functors, the lateretst of which goes to match the group of sazzaed channels concerns for the popple. Thus obsolute are line and exclipt that there is no coloritors concerns that methat as factorized to the state of Bedeemin Querterl, Re., pro-there are received as anguard the state of the state of the state of the state of Bedeeming Querterl, Re., pro-there are received as anguards line of the state of the state of the state of the state of the Bedeeming Querterl, Re., pro-there are received as anguards line of the state of the

It must be allowed that the worthy manufacture showed much engineering when his the upon this secondant device for priving plasmar to his follow matrixs. If only some Kaghla philashbophing sendb follow matrixs, there would be philashbophing sendb follow matrix between the second large descentibles, sub-second good music writes the mage of the second classes.

In pipeline of the group of Weiker endpoints as the user the set of the transmission of the set of

48 Masie and Matteines of the Wallson Previnces of Belgium.

which me and the matter $\lambda_{\rm eff}$ are completed of multiple sequences of the matter $\lambda_{\rm eff}$ are completed on the matter of the matter o

A difference force is the world of series is break to be the series of the series of

1 have to meeting, yet another Wallope artist of supresse distinction, Jan Getzröy, the volumediat, whose gets are. I am sure, how to all of yog. His performance when a bay moved the volume Faction to turns, and bin style as a matter artist could be as of the over Italian, and by without the set of the set of the over Italian. Such by vittue Mane and Manyrane of the Walloos Provinces of Bulgium, 99

of technique alose, but by the possession of a cortain quality of fastidizes totle and arithtic restraint which correct for hus predecessor a foremost place among the 'cellust of his time.

Additional set of the design of the set of t

Do pol, have our, chuch that I have memptood all or many the nances of Walkows mumt on chargefusial addity. As Lings, an elsewhere, chere evoids a large rannel or thirsten and who have not the equation takings or the model occupy very appendix performant, if not brilling and, it has ensued would, and they make work-sky have, chern penthe postenzia of which I have spokes, not may do and be in their brinsing appendix period have came into a

I present to conclude the piper with a data tracter of the Present, has been closed to a size would will be program Present, has been closed to a size would will be program Beigns and Proceducerspace of the dynamic size and Reference to the size of the size of the size of the Reference to the size of the size of the size of the Reference to the size of the size of the size of the Reference to the size of the size of the size of the Reference to the size of the size of the size of the Reference to the size of the size of the size of the size of the Reference to the size of the 200 Monte and Municipals of the Wellows President of Belgium.

where we have to show a hilbing correr was an optimizer and the control of the strength of the strength of the strength of the Vergence is in a minimum or the strength of th

After that be three horses have not need probe. Cert has observed the second second second second second second technical works, second second second have in part and in the density of the second se

Another composer, no longer on the mide of the Styre, in Adolphe Sarmal, formerly director of the Gloent Construtoting composer of many prophonias and of an onstone, "Chapme," which has been heard with much acceptance in Germany as well as in Bichnem.

Body Mathieu, who took Samuel's place as Ghenr after his derit, a core of the formant amounts Belgue memoranfie has devased his attontion especially in the acting of operas and contains with subject derived from Delgue popular lagends. Among his operas may be cored "Redside" and "PEnkine de Rohad."

Another operatic composer of note in Philippe Rifer, Kapellaceister to the Europeon Prederick of Germany, Besides his operas, "Merlin," and "Inco," he wrote several Manu and Massessas of the Welloos Prevances of Belgium. 201

important matromanial works, including a visite concerto and some chamber master

Note: Rections has insured on a result of integrated particular terms of the second particular part of the second particular part of the second p

A helling write for plane in the vinceos ached in Joler Deletive, as ort of Wallows Lens, whose Biospodie Wallows is a popular wark amongen advanced parameter. Several Wallows writes have prevaied doops for male choir writes specially for the Sectories "La Light," and the "Discrete of Orthry". This is a disputement of composition which has

I must not out meetins of Franceis Rease rad of Disophile Tany, bencher to the validitist, beth composities and paragraph of considerable capacity. I report that I are usrequirited with the compositions of Disophile Parage, as his builtness tails are they are typically Walkow in charactee the education are provided of the Eventh her can when

An adequate approaching all Chen French by one whe known that Gauge all Gauge has been to be written: I water that the start of the dense of the bacycraphy are there. It was been at Disp. Describer on, brief, and much has form starting at Disp. Describer on, brief, and much has a start of the Gausser of the start of the start of the start of the Gausser of the start of the spectra for even at the first in the start of the start o

In his first year at the Coustavatoles at Parts he wee a

yes Muse and Museums of the Walloon Prevince of Belgium.

unovial ration by a nemarkable fast for one so young. A difficult more your clean him to read at work wherh he not only tend but transposed a third lower without the sheltest bestation. He maned another mine by writing a fague which is sawd at the Conservatoire as a model to this day. 1 had a special predilection. The public thoses was the Ridscal story of Rath, but the Biretia is a very your one. and Secontral who were scenario. It is reteresting to follow on the littlary of "Righ," which was re-written and produced his best work was done late in life. For tweate-free years he isy fallow or alroad fallow as a competer, but he has abreen as noble as any, and as profits in good results. The war in 1850 sanst have stored how to the very daught. Wonder to relate he began his orstory, "The Bestmades, ' the test of work roker on around han. After the war was over he sacceeded hit matter, Benent, as prefessor of the organ at the Conservatore, and in the same year he wrote another orstorio, "The Redeworken,"

The set is satisfy an associations also "have been provided by the satisfy and the set of the set

Music and Manusan of the Wolloon Provinces of Belgium, 103

with supporting attention is not well exhibiting by the distribution of the start of the start of the start of the absolution of the start of the start of the start of the start absolution of the start of the star

There well on takes not to do note that network yields and the nature $P_{\rm eff}(x_{\rm eff})$ the estimate properties weaks not the nature $P_{\rm eff}(x_{\rm eff})$ the estimate properties weaks not the nature $P_{\rm eff}(x_{\rm eff})$ that the nature $P_{\rm eff}(x_{\rm eff})$ and the nature $P_{\rm eff}(x_{$

I have a particularly word excellection of the Svierea, which is enterestly bright and starialize. This Symphony was also played under Mr. Wood, at a Banday concert in March last.

Proceeds, thus have been comparison assumed at a strarg starter, by an and ity American Yang. The strange of the strategy of the those works will appear in the programme of the Yangka Concerts this assumes. The several, is Chean Fenschle task the several will appear in the programme of the strategy of the starter of Yange. why may a start it are days at the comparen's bases, rescard. It them is hope of ABs, and after strape it, walked of work at the the public strategy at the several task and the strategy of the strategy of the comparent's bases. The strategy of t 104 Munic and Masimum of the Wellium Pressures of Belmann.

they near in subsequent successes. In the receiptive yee have a restorer of the theotexel element, which is reddent absent from Belgus accase. In the Frank yee will notice a elever-carge. But with a restored software like the device random is especificate.

Jui d'Util, vance mans sent sent ou it i vance anne Tan some Malcon mee deserve anne confit hun it neetwe loss assessi hestorane for its contributions to Nathermente an bedre composers in mengel at the Natherthe met en knewn as Belgans anne. I anhat the w hinter bedre de source and energy. I athat the in hinter bedre de source and the its place in hinter be the of the Florink school of pareires. I can gree it no higher passe.

DISCUSSION.

The Constraints—it is the constraint for the Christense to provide the constraints of the constraint sector of the end of the constraints of the constraint sector of the constraints of the constraint of the constraints of Many and Management of the Wallson President of Relation, 198

even productions . The Constructive length periods of the other work of the sector of the sector of their relations in the sector. The sector of their relations in the sector of the sector of their relations in the sector of the sector of their sector of the sector

(A woos of thanks to locturer and performent was then needed.)

sensis to which Mr. Cobbett has referred, with the wellknows valuate into Sothe, with whose family Lekes was on terms of infinite frandship. I must say, that even a Scandinavian, Belgiup, or Russian, or spothese else, and introduce new rhythesical and harmonic combinations at any cost. I was not supervised as find the second insurment written in 3 time, and as to hamposic peculturities, 1 may mustion there are shards on it with contribute the ter of where it wants an express mental effort to make out in Ward, the American humariat, who, when shewing his and in a confidential not of way and "Ladies and methamen, this is a hime; was may not behave it, but you can take my word for it : it is a horne." In The meaner I alwave fed inclued to say "Lades and evolveurs, what I am plaxian to notic correct . you may not believe it, but you can

106 Matter and Mancians of the Walloux Pressneer of Belgium.

take my werd for it it is corrected. Of couples, we result concernish that License our again synthese errors in the table of the sector. We can blocker not write the block velocity is a soft to mean the matter $Trook that sectors. The we remain prime which we can secreto in <math display="inline">\tau$. Its fact, the η measures the splice block is a set of the sector we could be a set of the sector of the splice block in a set of the sector $h_{\rm eff}$ measures the splice block we can be seen to the splice block we can be splited block when the splite block we can be splited block and the splite block we can block we can be presented block.

• The constraints of the constraints of the problem of the constraints of the constrai

Mr. Scorresers. --Our chainses (in musticeing the made of the Color correly sential due particular, part of our country to which 1 believe he does not belang—Includ. It exacting result classifier for monic one must not foreignt that Scorland, Ircland, and Welen have all deplayed a corpus originality of through and die Non.

M. Loop thusan-of cares there is a gene affing between the Logg product createres and the Freehold between the Logg product createres and the Freehold Logg we have a generative of Wellow following which we have no many to be based at two and have been propertied for you to incorrelate the weath. We took producting the weather to the Provendence of the spectral in which we will be a set of the production of the spectral weather to the Provendence of the spectral in which we will be proved have been at the spectral in which we will be production of the spectral in which we be a set of the Proved hermon of the spectral in the behavior to the Proved hermon of the spectral in the spectral spectral spectral in the spectral in the spectral spect Music and Maxicanus of the Wallson Processes of Belgium, 109

much approximate loop, that we use out of the "Character end water and the second sec

Ms. Gaugert----I thenk you very much for your vote of theshs J denice to give my own promad thanks to Mr. Excess and M. Heline for their reveales.

PRESSNEE IN MEL-

Su I. F. BRIDGE, Mrs. Doc. Onon.

Is yas Cass.

THE CHESTER "RECORDERS"

By JOMPH C. BAIDGE, M.A., MUS. Doc., Occu-

Two of the cross of defaultions to be found in Europe and Neuroberg of Charges, and Oragonova between flow of a second s



to a Great Barr, coing down to-



A Jersinelle of the Neuroisery set has been enable for the invasion Masseum, under the direction of M. Victor Mahilian. These instruments were brought to Repland and performances given upon them at the "Investigan" Institution.

. .



The Chemist set consusts of socrano in-



14) ra., 64 in

Tener--

8	
14.1.1	4.

Test' in-



wite noù er ; and ie,

The Charton intra-meson just the mass of *Brennes*, under a Tacker row. Therefy reference in lawse fixed to the masker of *B*, where *B* is produced in the state of the state of *B*, where *B* is produced in the state of the state of *B*, where *B* is produced in the state of the state bet are presently in the key of *P*, and "to effect this truty is a matter of the straight Size of *B*. The fitter of the intrabation of the yreingie Sizensity approach the nearest of any boxes, are all does further the strate of the statest between the straight Sizensity approach the nearest of the proof, and it does for the the presention.

Be pennet, I may say that the Scanesbys were clover and cancilent weithers. Scansby, Sees, died in 1755, and Starneby, Penc, in 1755. I have brought with me a tensor reconfer which I brought in Chester. It is in the key of C, and besit the mixes of Scansby, Jonz, and must have been made, therefore, about 1755. I should doubt if there were made therefore, about 1755.

The main for rescarding was, I believe, of a very imple character, and confined, more or lens to an octave of notes Samilause could stuly be obtained by cause figuring, and more beyond the octave could exit be obtained by "precilege". The following directories for the second could be "Genoted Compension) on, more directions for the Recorder." rdbit--

"Your pinching notes ascend higher than the plain notes ... You must bead your left thursh and let it be half over

" Means, Gan, of Edinburgh, have two recorders. a Theor. o C off in long and a Bana in F. (a) in long. Maker's event, Report. The

the hole underneath the Proc. for that belongs to the uncer-

Mersener, in his "Riemasie Universelle," published in

There were several methods of writing for the recorder. 30%

deshedly looked and an choice and exception intrometic bought recorders and rewarded players on them, and the recorders, and we know that in his lifetime he around himself dolls by " playing at the recorders, flores, virginals,

" Revealer Pleases, with record

"Hawlet .-- O the recorders: let we see see. (Then turning to Gaildentiero he arent Will not only upon the size? "finildrasters. My logil, I carnet

"Hanki-I tras vas.

"Gufffenstern -Beliese me, I cannot. " Guildenstern, - Den, - and

"Hendel-The as cary as bring | green there septeres with your fingers and theseb, give it breath with your mouth. and it will discourse roost elequent mane. Look you, these

In Charles 1/s time, the King's band consisted of eight

" the need of 2 bring nest pleasing" to him Evolute, an his dury they save ? They are new much in

Evelps, in his dary 10%, says. " They are now much in request for accompanying the votes," and several matriction beens arrented along that trend Its are of them. "The Gented Conversion," rubbished in 1989, we read in the Eachers #Of the blede of securich most has abased had the

preference in esteem, and by consequence the recorder (as approaching neurons to the sevent dalightfulness of the votedought to have the first place in opinion, as we see by the universal use of it confirmed."

As the west on we find recorders west changed in more to "fields and recorders," then to "fields," and finally in a "compare fund". As if unable to survive this degradiation it died about 1750, to be succeeded by the so called German Rate.

Although treble recorders were made as late, (ay, as 1790.) I believe that have recorders had due tot four before.

I benefic can some retention individue of a dog bandle in July, myra, Berney, bie inkorier, was at Asterneyt After timel went on every inter benefitige on a gary at the Hyper or Remetic Section, it is an forwardly used are Hyperic Remetic Section, it is an forwardly used are Hyperic Remetic Section, it is an every hardward, and the Hyperic Remetic toward is a revy hardware, such that the section is a section of our, as a barrack for two thousand wrate.

* This mature has already here quarted by No. Webb, but I report it as it is such an experient pice of avidances as to the datase of the secondar.

11.5

No doubt the bar was of the days found at Chotte, bermoch larger. New had Darzey possessed any set and guartine and or knowledge, which a pintur was there. If at it has been as the state of the set of the set of the set of the has been set to state on even we construct fracts. The the set of the set of the set of the set of double-basic recorders had set of the set. It believe only non-service-a-set the Meninger Monteneous in settings on the last set of the set of the distances of the settings and the set of the set of the distances of the settings and the setting and the setting and distances of the settings and the setting and the setting and distances of the settings and the setting and the setting and distances of the settings and the setting and the setting and distances of the setting and the setting and the setting and distances of the setting and the setting and the setting and the distances of the setting and the setting and the setting and the distance of the setting and the setting and the setting and the setting and distances of the setting and the distance of the setting and the set in the s

In 1750 we find Malans concentrating, in his office of Sublempson, on the systeme from "Headwill" (of subhithere are different markagi), and vecodering what is recorder was like, and whether it has a thready had at the back or net. These facts point to the conclusion that the back "recorder" fricties were equit unknown as the widdle of last entropy, and, by the end of the contany, the whale family had dual out.

And now as to buy word "accelera". This web "is record" has in our present days of the sensing of "no member," or "take note of", tot it entire times it had are level "filters meaning. It makes the single days of works filter herbs". "To record," says an old write, "areas forker, as when the bird logics to trace and writter foregoing the single days to the set of the single write frequently by the posts, "Nicholas fields are a parsonal post of the Einstein era, says."

> "Sweet Platonal, the bird that hath the heavenby threat Doth now, sheet out once afford recedue of a pore."

Arain. Thomas Watson on "England's Holicon," taxt ----

Now hirds record new Harmonies, And trees do whight melodies, Now every thing that native benefit both class much in plasmant weades."

She sang, and made the right bird mate. That atil records with mora."

Agein, is " The Midsemmer Night's Decau," he says --"He hath played on his prologue Like a chial on a Reserver."

There is one other celebrated passage as " Hamlet" which I been already control.

"Philip Sidney describes how-" the shepherds, palling out, toestdern, which possessed the place of pipes, second of their many to the other's years."

Mirco, in "Paradise Lost," speaks of-"The Dorian Moo Of Plates and with Recorders.

We as two, then, that the work storpfor and knows of the storp of the

(1.) That a book published on the recorders in story describes this pershavity, and that Mr. Chappel thought the space was derived from it.

(4.) That Mr. Chappell spated the late Mr. Word as having non "old English flatm" been through the use in the unner curi of the untrument, and

(5) That there is at South Kausington a sinferent centery seconder with such a bale

With regard to No. 7, let not my that there is not one word in the book peditished in 100 about the hole coward with stombeaus, nor in any other known work on the recorder, say in there any tigs of such a hole in any one of the illustrations of these toruments which have come down to us

 That this evolutes it much itrooper than Mr. Ward's memory become avoid that your have been.

3. That Mr. Welch has ensumed the m-called electorsth century recorder, and finds it to have been easile in London

about the year files. It has a small hole covered with skin, which does not affect the sound in the least, and was perhaps not these as an excertiment.

There is nothing new to a Opmanson. In the Polerose Meganize for July, 16pt, a Mr. Except morthum buying a Channe facts in San Pransilson, which had an aperture between the emboochness and too fingur-balas. The aboption works on the hole a present of thick is notice to area a magnitude.

where many many is a plotter which as small array plot is taken that. Marganess, and the Herevore Unreadily, published in dight describing many limits of encoders and distance, and in our case where the second second second second second second second is a posterily considered that fluctuations of the fragmental constraints of the second second second second fluctuations and second second second second second second fragmental constraints of the second second second fragmental constraints of the second second second second fragmental constraints of the second second second second fragmental second second second second second second second fragmental second sec

I are stysell isolited to think the trelie instruments were oftentimes merely called fistor, and the larger instruments and those rands in sets, recenters."

DISCUSSION.

The Grounds-L-fields and gendroms, is it aphon into the second s

 Gaussian by Heam La Jamas, Highl, Quantet for lower responses. J G Bodge: and Doet for vehice and jam secretary, wase plaqed upper the set of inducement being up to and relificiently the Chemice Automotion Statemy, The preferences were the Rest J L. Beilleril, Mr. Eastellife, Mr. Fron. and Dr. J. C. Britten.

should have missed some of the motiement and carledly as to have they would have got through it. I suppose most of an inter not had an opportunity of hearing neutrino below, and I think our through negativity of the internet of the law our the start of the second second second second who have concess forward at the inter manuarity, Mr. Radfill, Mr. Firm, and Mr. Beddeed, who corress from Chester and inter entity theorem.

Mr. Wateria-d should file to ask Dr. Beldge a question. What is the glob of these instruments? Are they file bloc the French fitch, or disparses served, as it is called, or do they correspond to the Philharmonic or English correct which?

Dr. Bennin-They are pretty high-above the French, up to the Philhamonic pitch.

evidence of fights come to show that the statement, so often the first half of the newtworth century, cannot be emissived. the first rail of the finisht right century, control to sufficient. 1 the harh match to be of modern growth, that the summation has been made that it must have been chartened to belies it on to the manufactor with which it was alread, it better a distance, site, trease, and bass, in of the eventset monty. It is true that they would be more valuable still if they could he braced back to the time of Henry VIII. There is howreer, as far as I know, roly are set in the world, that at Nursenberg, morninged by Dr. Bridge, which done from the the Nurcerhene set 1 but the case, which has been meserved the kind of wood of which the Chester fates are made. In a mentioned that an expert, a winer, to when they had been rebevited, reprovanced the wood to be red cutar. Then Hadi, where it is taxenbured, looks very such like bes. Perhaps there may be some one present qualified to page who will give us his existen.

Mr. Starts (ofter examining one of the instruments) .---

The J C E Bancacce of an interaction in each term of the second experiment of the contract of the second of the second s

Mr. Water -I had hoped that Dr. Brides would fav used in the occhastra as late as Handel's time. Handel benne, as he term it, but the English bass duit-the bass appellation. By one of the strange mutations of non-scinare familiar, the property, rast as the seventeenth century was drawing to a close, charged its name to that of the flute in doubt as to what instrument a succeder way. Even an in Gozye's Dichesary, the precise nature of the recorder was which they had previously called plates a ter, to speak of them as propplers. This is to be presented, for, by \$5 migant there, they create a faire insperance, sawilar to that which would be produced if a transbose were shown to the uninfinited which they are entitled. But I am wandering away from us, but also for the stranght, Kneisth, or fools flate which we have and had the privilege of hearing. I should meetion that

The Choiser " Recerders,"

In the second s

Dr. Baracz.-What was the inwest note played by the been fints?

Mr. Wright-of cannot car with complete, it being some It was F. Another instrument of the typic flote family and we are familiar to a treasuras caucale, not a famile clicale, In connection with the Arato Faces's there is a constitute of interest to manicune. The oblights to 'O radden than the cherry,' which, according to the score, should he played on a finale or fould flats, is played in the present day, not on the first, but on the pixcola. What is the reason? Was the word decide accidentally control of the score? or could Handel, when writing 'Acts and Gubtes,' have destand the oblivato for the deate, but evidence is unguestionable. Mr. John Ella, who intred the hand nearly capity years ago, mentioned to me more than once that when 'I capity that the the second that gang, the second obse player, a Mr. Sharp, used to play the ethinate on a finacolat. The Concerts of Arizoni Maner were cataldished within twenty years of Hander's douth. The Geosteers, who was still conducting when Mr. Ells played in the band. Why, then, was not the obligate given in the shifts and, why, then, was not the storighte given to the peri ? An answer which supports shell in the absence of information is that he was acting in delerence to a characted

Dr. Baldgz .--- Were the manola players connected.

No. Watch-I know no scaper why they alread not have

of the meeting to my brother, who has been so kind as to come down, and also to the supplement who have analyted how (The votes of therein were then manual anarymends.)

A. H. D. PRENDERGAST. Esc.

A SEVENTRENTH CENTURY VIEW OF MUSICAL

By Sig Pageages Barnes, Mrs.D.

importance in Education " found in the anti-houraphy of a most average ath century diletters, the Hon Roger North. years ago, particularly tron the subject of "Music in the horns," and as a factor in "Education." It is, no doubt, home should be influenced in the night direction. Who can Let me remind you of what Shekespeare Groupht of it. I

" Mark how one string, sweet kenhand to another,

Strikes each in each by notical ordering, Researching and add add and harvy mather,

To turn now to the autobiography of Roger North, from which I have taken the balk of my paper. Some of you may wonder who the Hon. Roper North was.

The Norths sprag from a merchant of London.

152 & Seperateeth Century tiese of Reason Rescontan-

• Also form storage grant, Balancess storages and the storage of the storage storage storage storage storages and storages and storages storages and storages

The aid lord, the crandituber of Rores, lived, as I enplayers, in principle for many years. He was a man children setalant principally at Northest with him. magnificent manufor, which was exected by the first lord. was in its glory at this time. It contained a splendid collection of pictures, and was the home of mane; the old lond height as we have already brand, on rethenighting rensician. Nostr North and his brothers it has been will of art, both one and car traved from indexer. Rorer and his brother, the Lord Kooper, were great favoritation he retred from public Bie, and though he lived until ryin at the same time he was no comparator. He leved a quist, harry life in the country, devery himself to the canadita of the country southerses, and his favourite stadius he talls music set out at great length in his autobiography, and more estantially interesting for an it bit seference to practic and the A Secretariate Century view of Numeri Education, 133

To turn to this work. I will ask you first to consense that it was written possibly and years ago, during the reign of William and Mary, sheat the time of Parcal's death (in field and before the scient) of Hawkit.

Koper North sus a party removiable had between two different needs of works. He was a revel of taba belies. who was born to 1002, when wich were supress and the wolar was proceeding anknown to the English ameters. must have been a strange contrast to the works of Handel in finity, where menor is order, took a blane to it, and when his mants of postry," dc. The ment presenter that was the arm of the madrigal-the and of the account centery "Thus projected music master." John Jeakins was one of the processes most manufactor." John printing was one of the private resolutions to the bound. Before that he had another ladies" (erry sisters') senging made a pointers of mana bath as was well esteemed in these times. And the course of the often overy day an masters supplied nevelies for the enterhe to not referring to the modern averabare.

Truly Regar North was educated in a place where masks and its power for good were thereights appreciated.

He goins on to fail us that "the del lard" code a fancy to a word street or refle from in houses, where he wood occurvice has matical family, and angu were made and not for other batting the pays there. The concents were simply all wide to the output or harpediched." "The widen," her defend to the output of myrefolging." "When the head were wide-the means being forced for a, which would farm a surrant set of music two, head as in increavenus bandware. 124 A Separatouth Contary view of Mariael Education.

compared with the brick Sentets derived from the French and Indian."

Bases North was speaking of the inner when the Preschand finition associated bases or cancing a speak information and was been been been as the speaking of the speaking of the speaking that was then be was werting and be was comparing the means them indexemble on Dirakand with the result of the older time. "This thick, days account?" of the Thinkan result was very different, thing from the old viol emana-"interviewen however, thing from the old viol emana-"interviewen however, in a Reservice has

In the property of the level state of the supercontent of the state o

And there is a proper state of the mass exceptions of the state of th

d Severievelk Century very of Masseal Educators. 125

ove uses. But this continuation, synchrody, night exhibit very good maxes, for the per forwards and avera, a relate to the second second second second second second second probage forward on show help the person and plasm them allows in being statement. Then he person with a very sphere forward on show help the person and plasm them allows in being statement. Then he person with a very all the sphere of the second second second second with all data datagos, is yes advantage to each part, and with all data datagos, and yes advantage to each part, and the second of the contaction, but containably in second second

The sent observation seems to be alread prochetic "Such an entertrinnent I never head composed for an hour's position, which is enough, but my knowledge of the art talk my it should be so " What would Baser North cufts sure he would have been a spod hatener, but his description of what a mutical entertainment aught to be, is as I have test and inclusioned the . His next meranearch in its being a pleasure in more action, a pleasure in decay name thing, " just no boys," he adds, " will not wolk on the cround if a rall he near, but they must walk on the too of to do the same, and finding the diffically and the pain that are requests to accure it, are discouraged to the whole matter "which is chiefly to be ascribed to this town, which is the bare of all industry, because many other pleasures shand with open sums to receive them. Music is especially defined in the country, where there are not such verycless of goy things to call young follo away, for acting," he adds, " on he apgood as munic, which is a kind operative, and advite all and extreme excitation a country herity."

The unique of teaching made near teccopier attention. He certainly tensor actions is cover the whole ground while the in shour in. He recommends man to using the vici, webw, and onesn, and harpicheed, and dashs been. For wanters be recommended the spacet and harpencheet, the bins, and the pather. Tweether it he would approve of halos playing the world. Observed in the would approve of halos playing the world. Observed to no the streng spaced that is the advects to their space. 186 d Seveniresch Century such of Mussel Sciention.

The large part of stretce when this workly and behaves prove that be added to single branching. "Secondpoint that added to single branching." Seconddependent of the stretce stretce and the single branching and observations of the stretce stretce and the single scale contains of these and the single scale stretce and stretce stretce and the single scale stretce and the single scale scale scale stretce stretce and the single scale scale scale stretce and the single scale sc

And here I were itelast pry systematic here the interesting and analysis. When it was the complement is the next the present time, and this hears on 3 doors a pologies for making its matter the heart of my space. His electrowerships are not its most to the heart of my space in the electrower of the the most willing. When does not interesting some of the its most willing. When does not interesting some of the its most willing. When does not interesting some of the its concernyancy of Regret North Me Simons) Physe, all the before for the rowert were an whole its rest strange. He was

A Scientiscenth Century view of Hystori Behealter. 127

as ordered a lower and stateford of series as Range North-source of the de regression of scalar Range I. As the more and the state of the description of of the description

"After support late to sing; but Landt how did I phase support to make Betty Turner (sing, to one what a beat the in as to singling, but hateving how to zing, one mole in hearbat, only for the experiment, I would not for any hear hear ting a time tweese than my wife a through times, so that it do a tube recording to bar."

I counse larger defau you-an fact, I four I have already temposed upon your patterns. Let me express the hope that we all sympathies with the addeet aspirations of eld Reger Narth, and look upon memor as an arportant breach of colourity.

of scheaters. The time issue gone by when the Professor of Philosophy could say to the memorase (as in the "Transg of the Sherow"), "Fiddler, forbert, you goes too forward for "

We maniforms and lovers of music must chim for it its rightful piece in education, and, to those who would object to the chime, rends also in the words of Shukampare ---

> ¹⁰ Wringling Polosit This is the patroants of heavenly harmony i Thin give no leave to have prorigidity, And when in music we have spent on hour, Your locture shall have leaven for an much."

158 A Scientizath Centers your of Markel Education.

DISCUSSION.

The Constrained-Lades and genetizers, we have had proposed to the properties of the second second
A Setenberth Century view of Massaul Educetion, 120

possibly you will like to here that I have had the name or cut on his numberous at my own express."

Mf β S. Sistilated – weakle only any with reference to the structure model that we need to get as dra and the Delains the structure model of the structure of gets of the and the Delains not very the from this spirit. I think we have a very interenting spiritures of theory movies unto Bash finish, each only three of β S. Sixch, have of has possible unto Bash finish, each only three of β S. Sixch, have of has possible unto Bash finish, each only three of β S. Sixch, have of has possible on the Bash finish, each only three of β S. Sixch, have of has possible on the Bash finish, worke Ms Frederick Beidge remarked, there is nearbarg much to the finish of the structure of the odd by the Mask et al.

To the other we're presented pairs in the display plotter and the second we're presented pairs in the display of the second the conservation most of the seveniseast testing plotter and the second plotter of the seveniseast testing plotter and the second plotter and the performance and the second second most of the performance and the second second most of the second s

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150 A Securicanik Century element Marical Education.

Sir FREERENCE REDGE-Of course I weald say that in the observations of this mary who has interested me very much since I have had time to devote to the archeological neonic with where it is connected. With second to lephins I do not yield to not friend Mr. Southease in my edminister of hay. His week is very after perprising in that particular wirt to south Mr. Southeasts alladed his ray of the thromatic style. There is see nergheastiful triothat lething wrote to calebrate the death of William Lawes. He gave ap his place on the Abbey when he refused to earn the up as prace in the Abbry when he related to sign the Seleren Lengue and Covenant (his brother signed it, and interesting note of "William Lawar in erran nervest the Parliament." He west to Chester and was killed. If I for a couple of hours. There are many charmony defines you will find in those books edited by Playford There is no doubt that he was a sure establish maniful and a so fixed. He wante that Fance to which Mr. Southento referred more in the old modes; but he also wrole quild in the modern togality. He wrote a piece anticipating the "Butle of Process". It was called the "Battle of spoilt one of Beparlwood's parts once in a lectore traine to ret out the effect of the transmit. With mand to the Norths themselves. Dr. Marless has handly done restore to the lates members of the family. A very distinguished descendant of Rager wat that very elever artist, Marian North, who painted these beautiful cartains of feature to Ken Cantera. It tern that abe was writing under Rogar's contrait, and then she could see han looking on her with approhatant. I do are all very kind in paying one I neve of containt on. The of #. It was not very long, and I think that is a recommen-

A vote of thinks to Sir Frederick Bridge closed the meeting.

APRIL 15, 1011-

DA. CHARLES W. PEARCE.

IN THE CHOR.

THE ASTRETIC TREATMENT OF BACH'S ORGAN MUSIC

By H. HEAVIDOOTE STATION.

Le acce appliage he required from the streture for efforting some transition for the adjustice to an adjustice application, and the source application of the streture ap

Bubbs compared compositions, which are no stranging to general or asymptotic composed by many even by those who consider themselves to a special sense workingers of Boch, not, in to the sense and another work. As this is an usequent agreement of the sense to define the sense of the sense of the sense to define the sense of the sense of the sense to define the sense of the sense of the sense to define the sense to define the sense to define the sense of the sense of the sense to define the sense of the sense to define the sense of the sense of the sense of the sense to define the sense of the s

* Dock mand from the segme and remained initiality to it to the last day of low labs. All his predications in other regularization of an approximal his second comparisons—are morely as requestors and development of his organ metal. This was in how the base of all consider, the violating such of every from he versult to all ".

See Hubert Parry, on "The Art of Manc," holds nearly the same largenger-

"Each? monocl oppression became merged in organ efforts and the phenocentry which was made appropriate to the forevents? brouges the structure improvements of the present shows and sometand as for the over of her hit. Despitements and undergoing by the other range of the comparison studies in two phenocent and undergoing by the other range of the comparison studies.

To this it may be added that it is in organ music this Each atomia absolutely alone, not only with no rival, but no second. As a choral writer, pus may institute comparisons between

132 The Mathema Transmust of Back's Organ Hearts.

him and Handel, but there are no other organ compositions which can in any way be considered in the same category. He remarks the memory within for the result of instruments.

The end of the probability of t

Before parending to construct the frequencies of the engageteries of the second second second second second second in states are second second as a second second

The Asthetic Treatment of Block's Organ Mass. 123

is samplementable on the plane, because in a first dependent entropy on the complete strukture grover of the experime the walkele planes, and the groun mass of the answering checks, the first first is even heard that pussage played balancy of the $^+$ fall angen⁺ of a large interament, it afte an my mod an impression of a large interament, it does not present in a leafler. The questies of neutrino too, consent. The masses is infine. The questies of neutrino too, consent. The masses is the form - wave Presides the preside passing for the local on the form -



is at the close expanded rate the form---



The state problem to a high solution that a state state of the state o

These styles are perty sailly as its reception is the superwebb, definitionally do not be a superlation of the style of the style of the style of the style, describe on their of Barbard and strength factors of protoconsers, in carried by a considerable use of Fulliant protoconsers, in carried by a considerable use of training protoconsers, in carried by a considerable use of training protoconsers, in carried by a considerable use of training protoconsers, in carried by a considerable use of training protoconsers, in carried by a considerable use of training stars and the stars and any stars of the stars of the star stars of the stars and stars of the stars of Progen in G. Voi, IV, N = N = N = N = N

• The data experiment of search groups of datase compatibles the conduction there is before contrast, but a ray control indication would have to be made as registic and/order chamaton. The Toessen as P₁ are indicated asserption open of which are they of its control model are proved in an endoced charge these is characterized and provid its from their conjuting charge these is characterized and provid its from their conjuting that has complete in the characterized and provid its from their conjuting that has complete in the characterized and provid its indication of the constant mer wave.

? The subsystem are to twary edition, as the host knows and must within and

134 The Æsthelie Trenteural of Back's Organ Music

in the last of E is some editional the period when the organ was still the chief mente-make truction for all could's composet, and before it had more waver. In the beilingst Probade and Transe in D in Vol. 1 abaverable written in equilation of a show-caree of Boutchade's of similar course. Buch is already, however, enterring from influence of precedent and striking out a style and ha assure which fishs the Prehale to the Fornat, as well as in the bold modulation in some passares of the Farge. To the said its stole belong such works as the Q minter Paget, the G major Vol IV, and that in the same herein Vol II and the key Periods (sa.called) in E flat at the bestering of Vol. 111. compositions in which brilliancy is still aread at, but with a truch more original and varied harmonic structure. The starting modulations at the close of each section, which Mendelspoks and "accessed as if they would belay the of which may almost be called an organ symphony's and the "may almost he called an organ symphony", and the "Townin and Farmar of which the Forme may be said to propresent the followst beacht to which organ monocan attain. A free coursel, icus familiar than it pathi to be at the C mirer France in Vol 117 is which the

يتتبه المعدي فيوج والمعد فارتش

is so withingly decastic in expression. Its style may usefully be compared with that of the renew Prelade and Progen in Chelser referred (n) by an odd collocation they mand next each other in Prices' edition, but these is an artistic lifetime between them.

It is contrast how concerning in the solution is character between the products and again, both in these and in the "Weeklocrepents Chown "it means very doubth whicher the periods sold fragme were in all cases composed together or originally intended for each other. In the hatter want, he instance, the Periode and Paper in C sharps are obviously composed on the tases open in a data are complete which, but is as we regart the calas and modified previously in C.

The Mathema Transmost of Back's Orean Mane. 135

follows it, or as the effecting of the same musical mood? So with some at least of the organ compositions. The most complete and homogeneous in style and feeling are perhaps petholic, the latter the most builded, of all the ocean compositions : in each of these cases the Prelude and Pagae and. The same may be said of the Prelade and Paras in G. Vol. 11, and those in the same key in Vol. 1V.; and in the case of the A minor and the great E minor the Prelades. concletely homereneous in style as in the before manual initiances. But in the B minor Prelude and Parse, the Done Tocents and Pagae, and the P major Toccats and Force, the first meanwest belower to an antircle different ruppe, the test solvened budge to an entropy childrent construction the Toccuts, in fact, completely swampe the Fugue, which is an autoclimax, and I always thicket is better lept sport from the Tocests, which is complete in their Nor can I believe that the long and heavenful movement which Grispenkeri has placed as a Prelode to the "St. Ann's" Force was really written as such ; it is a composition steardate in itself, and I think of earlier data than the Pores .

But this growt power to bear in mixed about these expentations are sensed about the sense is a bar graphent as a new examples of factors, but as powers convergence, moved bear of the sense of the sense of the sense of the sense at the sensethered by highest form of powersice in spreaders as in hour days. Bestievers three bias movies of before may a sense the sensethered by the bargent days or the sense the sensethered by the bargent days or example to be the sensethered by the bargent days or example to be the sense with the bargent days or works a source in the sense with the bargent days or works a source in the sense with the the paragraph or works and the sense in this sense in the sense of the source of the sense in the sense of the sense is the sense of the sense of the sense of the sense of the sense is the sense with the sense of the sense of the sense of the sense of the sense is the sense of the sense of the sense of the sense of the sense is the sense of the sense is the sense of the sense of the sense of the sense of the sense is the sense of the sense is the sense of the sense o

 $^{-1}$ the address such partics the segment transition of an asymptotec between Neutron sectorized paragraphics increasing, which defines the dust for address the set of a sectorized paragraphics in constants, which defines the dust for a first sectorized paragraphics in constants, which defines the dust for a sectorized paragraphics define the sectorized paragraphics of the sectorized paragraphics of the sectorized paragraphics of the sectorized paragraphics of the sectorized paragraphic definition of the sectorized paragraphics of the sectorized paragraphic definition of the definition of the sectorized paragraphic definition of the definition of the

Viewed in the light of this idea, it is obvious --ar should be --that the method of execution of such works as these cannot be reflected to rule. The distant which one sometimes see to 146 The Matheirs Transmit of Book's Green Manu.

with in lesson books, thus all fagues should be commanced quintly and gradually atmosphered up to the close, may be all very well. for anotherinal fagues of the acked of Albrachtherper, for instance, but in not in be applied to the scoregiones of Bach when put into fague form. Each chirm in own instances according to its own character and forface.

There are, one may say, "epitode " factors and " change " famore. There are sens few of Bach's cover famore how. may call a received treatment-a theorems back from the front plane of the composition. In the great E minor Fugue the whole maddle partice of the Jague in of the character of an informers, hower fittle connection with the main minet I have westered to call a received treatment. I would, howin the passage at the close of the extremetan. The Dorig Farm is from its nature, espectially a "chrow" forwar, to be commonted of and gradually strengthened, at least an a from the front place of the picture. On the other hand, it up take such a commutation as the fire and too little the Pagas is C usan (No. 6 of Vol. 1V.), a perfectly different kind of treatment is called for. This is a double fagae in then after a fall close, the two property is combination. This dernanda an entirela different treatment. It should be core array we want to fall to rath for the fighter second subject ; and as the treatment of this around more and more hely and ploying as it proceeds, the segar aboutd be gradually reduced,

we may make it a clariset dust on the choir manual or a flats dust on the salo manual. With the re-corre of the



the fail energy as no strendening face the achieves brackers to the top of t

By our not serves at a fact, which finds humily my have employed on probably the origin, or we will be interprised as the probably the origin, or we will be interprised as the probably the origin of the server to be any server of the server of the server of the server and the server of the server of the server of the server and the server of the serv

* Other did liash remot by the indexing "copyon plane" sizabile to the Faultin g D remot " Constant, nor when you understand by "full argues. Distance, in summer "all the organ "angle of the matinade, in other worth, all the variety of rous possials and the character of the concentration result's hash used to this then.

118 The Authors Treatment of Beck's Oreen Noon-

however, in new readings was thingphatily momental. This was with the short Pagues in C miley, Wo. IV., where the pedal is not insurfaced fill lowards the and. This is provenily passed over an a work of secondary intervent is had a concern to Best that the composition, both from the character of the theorem.



and the increductions of the packed at the dense only, was surregifted at 1 profile distribution. A subscription is not an experimental of the subscription of the subscription of the all through packs are story of the threat being music on a converge UT packets the pack at convergence of the subscription in the subscription of the subscription of the subscription through the pack of the subscription interpretent of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the subscription of the imperformance of the subscription of the imperformance of the subscription of the subscript

In regard to some of the greater and more series works, there is subject more latence to be made on all then fin moders, and/more, and more represents to be given to them, by sering warring and behaviory of efforts to contain of Arm and piece, and of variefics of insite, instant of the "straighton" method of phyling which every greening the consistent of charged of phyling which were greening to be consistent of the distance. If provide to the A since Parase

• An or of the product is the decision amount at longing, because the decision wave the decision of the set of the decision of the decision



31 K H





If I can also devote the Hakk hole gauged in a still a stall to the help of t



reducing it at the woldle of the last har but one to reall dispusous, and ending the last lingering plumic pp. The effect of this is so lovely that I cannot limited anyone who

141 The . Bulketic Treetment of Back's Organ Nuov.

hen one pipel in their way enty visible is a high a class win. As starked measures of the older of presenteen conferone this detection, "to Larma General starks and the stark page, after the final ways in a which the fill power of the largest around power in which the fill power of the largest around power in which the fill power of the largest around power is deviated by interest [20, 40]. Here a disself largest properties, where and other, the design pay where the fill hand is on the result, the design pay where the fill hand is on the result. The star of the design to the properties, the stark of the design of the the stark properties. The stark of the design of the the stark properties of the stark of the design of the the stark properties. The stark of the design of the the stark properties of the stark of the design of the the stark properties of the stark of the design of the the stark properties. The stark of the design of the the stark properties of the stark of the stark of the the stark properties of the stark of the stark of the the stark of the





An completed the poetry of effect to be obtained by special registering is affected in a persage towards the and of the D mpor Torents (Vol. IV.), where, after a source on a The Authors Treatment of Soch's Organ Mann. 143 ball-close, §, occurs the fight running passage, earlowedy labelled "Recourse"-





This is view obtained of the full organ, see perhaps on the full entry. Let try it on the west with bands and right, or (better) however, and provide early, and use of this composition which another example of the followy of of the composition which another example of the followy of scheduling heat composition to follow of different to hair. It the possing percentage the three feast heat should be full to motions; then and have.



144 The Mathelic Treatment of Beck's Organ Matic

the "doubles" on the great being retained to the end to give the glocary colouring required. If the sale sugas has more than one reed of the transport class, the one of hast strength may be multilized for the usual reads a most meaner it makes that for the series of the

A vertex in regard to speed. I think for the large the term to be the second regard to the speed of the second regard the second regard to the second





Unlist the pace had here purify brick these simplifications of the peddy net world not have been necessary for Black, and whether they were required for inferior players was a matter he week and here the recoded this hand about. The action that his fagues are necessarily to be played doe, becaust tiely are figured, at 0.1 spart of the reduced area before inferent is, or ngo-flag them privately to here along whereas they are privately represented of nonical fielding.

The Authors Treatment of Beck's Orrest Music. 145

and their fagel form in the secondary and not the experimal element. The A mirror Pagne, in polylocaler, is manifestly an Afflere of Internet, case take a wayfree fagel form, just as decidedly as the first movement of the "Waldweiz". Samue is a Afflere of Internet take second form

Whereas quoties now be reliad as to the populaty of approximate pools actively in the creation of links is used, data—change and the set of the set of the set of the creation of the set of the set of the set of the set of creation of the set of the set of the set of the set of creation of the set of the movement of the set of th



The above the properties of the properties of the second second

145 The Altikets: Treatment of Beel's Organ Music.

fine points may be made with it. As an instance, let me site in the C minor Pugue, Vol. IV., the first entry of the there is the raiser loss-



where the paramet hypera to exactly said the transpit domater, and the introduction of the reaches he and off the phrase in the new key has a cost brilliant and inspiring effect. In the "Darp" Pages, the these controls in the sale made, producing on the basier the office of a matter instanting of the other is new and measured of a matter instanting of the other is new and measured in a matter.





The Authors: Treatment of Back's Ocean Numic. 147

As generally payed this mixer them is findely period(the two the beam, or is the order rold is maps of a near of strange based distance your everythang. The officer of the table red is giving a log block on a bubby role may make the secondline that is for an itself wave frame, then it is a period of the mixer is the payment frame, the table of the table of the mixer is the second second second second to the mixer is Regularized as its direct of the Tootatio IS $P_{\rm const}$.



Here the solo must be coupled to the cherr manual, and the C of the solo reads hald flows with the flower, while the other fragers play to the great mirrorit. In occusional panager, too, a data effect may be got by afterneting solo reads with the great engance, as at the silose of the Done Feque-



There are examiner in a peaks of effect of this kind to be

145 The Authority Transment of Sach's Organ Masie

obtained by a well-padged and sparser use of the sole reads in special passages, but it must be, the Moaar's use of the treethouse, strictly reserved for special and appropriate possinger, directly it is evendore, it less its effect and becomes a consecupite. The constraints of advantage is a base of drive additional

able paper to this Association on the valuest of the alwadas of Barris "Wolffermerits Clever" former to the parality show how much additional economican could be imparted to then by this means. Of course, whatever wake there is is phratery in playing a planeforte fague, these should be and more in the case of an error advers it in renewable to eventuative a note by mere touch, and excelution or special accreminate a note by more obtained by physicas. Whether become light birmelf exclosed any meh means of oppose ottent by Monari and his contemporters, and carried will further by Bethoves, who is acrepatoutly start in macking the plenning of passages in his pseudorte conit. If, hrmover, my can by phrasing impart an addresses) restined in environment. These are some of the orean the B minor Fagne, for unstance, with its subject manifreg on the scale and down aroun, should be as steach; as a melt That a rreat deal of additional next is given to the subsect of



This can be kept up throughout where the subject is played by the point or entirely by our hand, where the subject is an inter part is divided between the two hands, of oppose it has to be dropped. But it is worth while to give an additional coast and experiments, but the coexing The Asthetic Treatment of Back's Organ Mason. 149 Spaces in a fague, even if it is mechanically impossible to contrast it community all through. I will imitate the following in operating the life G million Fague.





Theop thus, plerance, of the construction (space server to hear to get linearly, is given grant point and statement to the operance, and 1.46 not third, any raw who had core played to playing of the notes: boundars, there are server all point when it can be recalled, and twees, by way of longing ap the dissector of the reaching. In a static signific and its choice of the great G rance Single, a guite life and vagoes a temperate base-



A and Sci.

150 The Mathetic Treatment of Back's Orgen Mane.

One might perms the subject to any length; I will only offer two of three more dissipations

8 1. 1.111.111 a mener Page in

In the latter example, that nexts impossible in the counterpoint figure in creations should be kept up consinently brough the whole figure, and adds greatly to im-

sincertly through the whole fague, and adds greatly to its force and energy

C marin Paren, Yol. IV.

In the concluding portion of this C remor Player, the conterpoint figure at A, two or three fitness introduced, sounds rather near and mechanismic.



but phrase it as at B, and it is quite arother matter. Whether my great favorite, the Datic Fugue, is succeptible of a phrase-transitions, or should be let severily along, may be

The Numeric Treatment of Bask's Group Matter, 151

a coasting ; but it may be pointed out that if the first five

111111

then the notes marked * seem more desidedly to a follows ; but it is, perhaps, as open question whether-

I way add none reperal remarks as to the treatment of some others of the grigcinel compositions. The G minor Fugue I should commence on nearly fall organ, or fall so mozeuros with a s5 ft, reed on the pedals " At the end of the first redal rassare the organ it related to a the at the the swell, one hand after the other, thus-



making a cradual discusses and returning in the more way to great full to righ, the left hand taking up the great started but the right following half a bar later with the NAME OF THE



factor, stawindly in a biology where there is much other, the more

142 The Mathetic Treatment of Beak's Orres Marie.

Where there is a nois organ with 5 ft, and 4-ft. finites, a very party faither digression can be made—an epinode surfare an epinode—by a brief ecourses from the swell to the solie rotation it the manage comparentise—

extraments to the send after a few bars as reste for the great. With a furth care all that can be done without a break in the effect, and in as unforced a meaner as the sharped of instrumentations in an occleantra. The organ more be kept at fall to apply all use reach the tiow D on the peckla-



where the read is added, the matners (marrow) being added in the next law at the precess instant when no next but D in being assaulds. The organ is confirmed than 640 the leng rpixed communing part before the fact pape, when the power should be gridadly readed and brength back splits, as in the former spixeds, 640 the has pelal satury common β_1 many flats (billowed by β on the manual.

The A minor Pages I would consustant on the full to typh, for if it is played the proper speed the policy passages will not stund the confiring effect of a heavy mod. At the capits has of page 29 reduce to prescipal, it is the close of the padal passage as the same page reduce to disparsen. During the capits has prescribe the low-

on more in the event ocean should be readually strengthered

The Alathetic Treatment of Back's Orrest Marie, 155

again at a recurring point in each bar, till it reaches full to contares in the bar before the long E, which is then taken or the sole needs (coupled to chair means) for convenience), and the people control β . The right hand drops the tend and course back to the rend marked at A—



for the measure the ising noise are dropped the space pairs incsens in trapped therefore; a soil at the hall-but has measures are as a d_{1} for the high character of the socienting paragraph density is a place regres. This paragraph, with the soil real measurement, is a large args it is workefully striking when transact is the ways, and it he more no because the paragraph when The measures can be because the paragraph when The measures can be added again.



on the next page i and if there is more than one token read on the point, the againer one may be added here; otherwise the point seed should be reserved will the fearth har of the concluding page, whence to the and we want the full power of the ergon. At the cold of the point owners the additional complexits may be produced by playing the last.

144 The Mathetic Treatment of Back's Orgen Hume.

half has slightly relevelence, and bringing the laft hand down on the sole reads at the final within giving the prosteri

pertible emphase to the closer fote.

This de Donais of F. 1999. This de Donais of F. 1999. The Donais of F. 1999.

with r6-R, need on the pedals and full to mixtures on the great; that concerning-



which is a reminiscence of the design of the opening, with the eggss seduced to talk (and perhaps, a bar or two later, to principal)—the passage back again to the load organ is statly antanged where the pedal is enters with the phrase-



 There are stary light furnit parages manyas more where full to cycle without the tork, but the best effect, consistently went boardon depeons and oth, without other processed or 140

The Mathema Treatment of Basic's Ocean Maria, 155

and so on at each recurrence. Then there is the tremondous passage with the succession of third inversions of dominant invector-



which at each recurrence alread be given with every power that can be crammed on to the organ, is ought to be fixed off with cannot, were that people's "

The hot composition I will refer to a the Prihode and Papers in B weak, Vei II. The perioda calls for, nod in uncoprifie at, so much debastifies and samely of effort that it would request too much period or and samely of effort. It is not anywhen no be plaqed wey kod, coly range to fail to right coupled, so weak in the relative and second here of space St, which is the coincasting peter of effort. I should commonso as the world in the relative marked phases or the petiol-



when the point is strengthened and the hands go on pagents, dispasses. From bars later a very size bit of scoring can be introduced, where, as the natesial, the right hand is changed to clarated on chair (perhaps coupled to a sizeiset on not remain one force or the themes intrins; the darmet







at the mass scenest as on the great, which is tabled at the end of the node, the passing these resolvery justiff node a distrast day for the right hand, with hell util us great dispetser, contrast days fit he next full case. This effect, however, should us be repeated at the copetities of the mans picture, about on the repeated of the copetities of the mans picture at the form of the thrule part, where both hands the day of the great, as we are three working up to the dimension great. The personse are the scenes (part-





has a good effect as an alternate charact and faste usin for obsc and first, with a soft ham on the nextl. The whole of the constanting page should be treated with constantly increasing definery and softners. The charge line has a







We let be both incide on the soul dispersion only, *PP*. The fupus has a gene dual of scope for concentrate of load and only, but from me very concentrate dispersion metallicity of the fail organ, down to the dates in P sharp primer on the second page, where the padd lawse of *M* that point reduce to (ph) (two bars later to prime pd), two bars inter to dispenses; then at the following nonzero we have-



198 The Æshletic Treadenent of Back's Organ Masic.

sentrone both hands on the seell till the yeat entry of the subject in the inft hand, when the left drops on to great discusses and remains there--



At the passage where the subject reters as the right hand so F sharp menor, the right hand charges to their elarizet-



and so we remain for the next few born, the effect of the clarizet tozen have, contrasted with the keyeld receiving passages on the prover despasoon, any optime in charac-We get the right hand back on the prost manual nearby remarks at the scale manager at the result of he served from ...



and go on with both hands on dispates above till the full dises in D in the first bor of the lass line of the page, where we add principal, and in the third har of page 66, where there is another travely of the theory, we take an opportunity to add fail in eight, not on the first of the bar, however, that would be teo hards, but at the third pawer, where only two parts are mending, as testing. In the third has we may gradually attending the point and the solution of the part of the first set mending. As the point and means till be have not to fitth The Audients Treatment of Back's Organ Music. 199

mixtures at the last bar of that has, where the theore enters as the trable in C sharp minor. In the sent bar, at the bold where on the pedal---

the pedal used is added, both to bring out that please and to prepare for the climax two basis following, where the theme enters is the state, and the whole power of the organ is breach on-



On a large supar it adds untremetty to the grandear of the panage to physic be poold in octivers, as marked here fit in set us the originally, it not easy adds poors, but the bold construct method physics beginning on the C natural sounds out with optimized affact. From here we keep fail argue to the end.

I have verticed to go in detail into my own transmet of the fague, because it is use with which i loads perial treable, and which, for the reason mentioned above, in vary difficult to message, and I must smallely admit that I was well minimed with the result. A would us to the balance of tone of the Earlish nerves is

A word as in the balance of two of the Facultations in the measure development is not an overlap of topic of our moders organs, they still rutim the of tradition of the measure development with the measure of the state is a word how constrainty of the state of the state is a word how constrainty with a state of the state is a state of the state and the state of the

260 The Alathetic Treetment of Back's Orras Music.

watters with story tree to the kind of expension achievable force the weed?. To before it is not one cortison pressures in the energy of the story of the story of the story of the story is adding to the supersistor of the stores: and it is weath the store of the supersistor of the stores. And it is weath the store of the supersistor of the stores of the store of the store of the stores of the store of the store of the store of the original stores of the store of the store of the detect origin is the store of the store of the store store of the store of the store of the store of the store store of the store of the store of the store of the store store of the st



we can get us such effect with their rad reself, and besides, the need trateries with the isosoft sections of the peak paragers. All we can get in the chair manual termination paragers of the new peak paragers are associated and paragers of the new peak paragers. The first first height paragers are been period, on the same degree. The first first height paragers are been period, and the same degree. The first first height paragers are been period. The same degree is the same degree period the paragers are nearly as possible number of the period paragers are associated and the same degree. The first height the conductive period of the same degree is the affect on ordering had fair, which is have a height fair, and he principal the whole paragers as the green with disparse and period paratic material same degree is the same is same data on the same data the material same association of the same data of the sam



The Mathema Treasurest of Back's Organ Manic 161

there is nothing to be done with an Bredah opean, that I other on the swall with 8-9, seeds found oppn-a coarse effect, bot, at all events, not weak. For such managers as for the Trice, what we really went is two manuals of nival power. There is or was a mod many years are. a grand old organ in the parmh church of Northumpton, with fear kerbeards ... choir, spell, and free event rearrants ognal in power but somewhat different in tons. That is what we want for Boch's organ range. As a matter of tone, also, in easily all car residers organs the great argan tone instand of blending with st, a metake most disastrees to the clear definition of prets in a fugue. We can now here the clauging reads on a distinct exercit, and they should be reserved for that. And on the podal, for the adverant relation saled ergan, fire 16.6 words, cas of quiet and round torn, to blend with the fall organ without standing out pertuamossly, the other a more powerful por, of harder have, to out boldly. No single r6-ft rood can be made to answer booh purposes.

Bool purpose, is excellance, it would urge that while every experiments when all or taken so here, the peldre to a bears nogrammane with near presentation of Bachware and the near set certainty be furthered by Le wedy, as the part of players understanding the atternet of these prote compositions for a modument and enter the set of the apportunities for a modument and enter the set of the apportunities for a modument and enter the set of the apportunities for a modument and enter the set of the opportunities for a modument and enter the set of the opportunities of the modern certain affective for the for the modument of the modern certain affective for the set of the set of the modern of the set of the modern set of the set o

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MUSICAL ASSOCIATION.

April 16, 1911

This Constraint—lifeter we protected to any other huminant there is one throught which I any series recentlying all cost makes this day, size, the technologic all the size from the size of the size of the size of the size of the size plays formula. We have not had more playmetic and the factorial Association, although we are now petiting to be queues and discourts in an Algebra work to the Morelett play although plays play the size of the the Association of the size of the plays set of the size of the size of the size of the size of the plays set of the size of the size of the size of the size of the playmet set of the size of the size of the size of the playmet set of the size of the size of the size of the size of the playmet set of the size of the size of the size of the size of the playmet set of the size of the size of the size of the size of the playmet set of the size of the size of the playmet set of size of the size of the playmet set of the size of the size of the size of the size of the playmet set of the size of the size

" To Ludy String, " Markets.

•••Op band(of the Visc-Frendetzs, Coscell, and Receives of the Neural Association, and in pursues of a Stockston unwinneauly paned by the Coscel on April (a do longitimed) the Receivers of the stockpars method, and obscillation of the Receivers of the stockpars and the stockpars, and the stock of the borners of dash to Sile for by Sins: Robins, and was any set of the posterior stockstock of the for the stock of th

" We are, " Madam

"Very furtherly yours,

" Lorder, April, 1991.

This will be signed by the chairman of the Cronell to-day, Mr. Otto Gabichenidt, and will be she signed by the Treasurer, Mr. Prenderguer, and the Secremary, Mr. Baker, on behalf of the Courtell and the scenabers appreciate.

very interesting paper. Mr. Stathan's remarks will, I am serr, could a lively and an interesting discussion. There points which will bear a little criticium and discussion. In the first place, I wenture to disagree with the idea that Bach's Organ Music is his central schevement : I should have thought his pagedorte Parses quite as road as those for the organ. And then with rarsed to has Chonal Munit-earth any of an who have heard the Passion Masie at St. Paulle Cathodral will adres that there is a weaderful reast of carsonal will forme that there is a westerna power of "Have mercy upon Ne": that is full of pursing pethon which never fails to touch anyone who hears it. Then arain work "See" and "Rest," which are not only thereegilis vogal test are also tial of an eriotianti tandernest which is reals readers in side and likely to remain so. I should her arranging as the two vocal excerpts I have named. Then with record to the Torrate in F. Mr. Stattars second in third this belanced to the earlier period of Rachy organ works. I think that in mits of the modulations land of the Torrata were consistently and very beautifully throughout. The piece is really a Toccain, that is, a prece which is calculated to show the downk and norkalized the B maner Probate an I have always called it the one

Dr. PRANCE.--- I alware thought it was a Prelode, and a very beautiful Frahade too. I fail to not anothing in it

Mr. Starson -1 quit arece with you.

Dr. France -- li seens to me to be in entire consumance with the secrit of the associated famor all thenarth. I should think it such have been written to precede that particular Furse in B minor. And then I should be glad to know

The Salativ Treatment of Beck's Organ Matter. 185

why there should be any doubt as to the Organ Prelivies artealy belowing to the Parses with aligh ve and accustomed to associate them. We do not doubt the indesoluble arises of Prelade and Pagar in the "48. warrant our matters another any two encounters which oppether. Then with regard to the modern playing of bagues, I start my I have heard out hits Pressent aley fortune for many years of and in sit in the organ ligh with him. I think his style of Janas-playing was that which was Their to commend shell to much bovers of the scast contranextal articleton. His vies may that in the prefermable of an orean farms the terr intensity shauld roop timety an the interest of the composition itself sweer. First we get the subject, then the experition, then the epstein and different groups of middle engines, then the special and different playing a farge that you should been moderaily, grintly, method always worked well, and was very effective at something almost Back's countermoint being, as it with I must say, it seems to me to grew out of the mbuch motion. with the triplets. I think there, the counterpoint which accompanies the principal episode, really does very largely theff Of coarse, the E ashor is an epipode furth-in almost seems to me to be a kind of hig ternary form of the first part, a modulating model part, and a recipitations Promient had a great objection to genck performance. regard to phrasing, I agree with much of wint the leatures and Professor Prost, in his book on Form, shows that the rather news to me to hear that there are many single solar many after the first anonestion of the schuret. Then, at the the use of the tuba is the A minur Passae, I know, from his
166 The Alabetic Treatment of Reak's Ocean Manu-

previses writing, then Mc. Stotham is very verse on this; boy with non this, if here, no are present writed. Willian adapts is then, up most here the basis and not be adapted. It out should, And tradings with its out is adapted adapted to a should. And any output with the non-trading adapted to the store of the store of the store of the store adapted to the store of the store of the store is a lock more deviating the store the store with store adapted to the store of the store of the store of the basis of the store of the store of the store of the basis of the store Stores. I have hard Stir Jakes Stores (ploy them in this ensure, not adapted in analytic hard store (store of the store of the store) and store of the store of

Ser Parpentra Barpan .-- I think we mant all have been impressed with one theorets while the career was being read out Picestent. Nothing would, I am sure, be more grapifying like to my that we now Mr. Statham a deep debe of guarande for bringing the subject forward. This is the sort of paper we want-a paper that concerns some important classical persension that we have, which a good many of an know committee shout and us do his to have a new year of able way of expressing what he thanks. I have great compact for Mr. Statham : I have leaders him for a loast tree. I have manie : bes I think he has not at the feet of Mo Best rather heard those effects manual. I freed as Manchester. It is now a long tage are, but I had the generative of hearing Mr. Reat alay very often. I wild to no one in administret for Mr. flost as an organ performer. He was a most remarkable and admirable executet, and an exinquicity onpenants new warms on orchestral treatment which is all right sucher contain circumsumces, but he was not altogether a sole The Mithelius Transmust of Back's Organ Manue. 167

you would not like it ; and I am ease that would account for scene of those strange efforts that I have beard. My own from bostroning in and, with all signated and so change. That is not musicianly. But you must know where to draw the line. I believe therearbly m variety ; I believe therearbly is alternative of held and shade. I arms were reach with rai. That ervat Tocents in F I once heard played on it. It was in 1971, at one of Halls's concerts; the arrange techate I am cover record a little anne. But it had a mand effect. Perhaps Nr. Stathars will retort, " you have a favoarite show peop of your own, hat you won't let no have my tuba for a mireste." I must pet in a protest not have my tuba for a minute." I must pat to a protect around anothing like minute scorers of Bach's music for the organ. When it comes to a proper division such as you minist make in the Toccats is F, that is another thing With report to phenning I do not like the G miror clubed enis the stale in which Mr. Stathan played it. I do not theak he would get the effect on many organs, and he must be a be expressed, but I yield to no man is my appreciation of Mr. Stathan's desire to set before as something to think me food for reflection, and I shall practice organ farren more myself, and see if I cannot get some new effects, but st

The distance - have be by example to make the model. Use a property of the stell of the proof on the distance of the stellar stellar

158 The Asthetic Treatment of Back's Organ Masse.

spaces, I believe that he still further solidilied his style. 1 raight perhaps add a third remark, in congratulating the Chairmen, who has been per into the chair imprompts, on beinging as much randy knowledge to hear.

Dr. Converse-I should file to thank Mr. Statham. because, being perhaps the oldest man in the room, I can refer to the playing of Bach's Pagues when I was a boy. In my boybood the fathion when playing Such was to coil out all the shoes and to keep them out. I do not think the British public should be blamed for them want of appreciation of Bach's organ proper. In Landon there are only two halls in which there are organs mittable for playing Bach, the Queen's Hall and the Albert Hall Farcy trying to give a performance of Bach's Prelader and France in the St. house's Hall. I am shed to hear Mr. Statharn's more: although I do not arres with all hit pathetic phrases, and I think municipals will decover the should not have anybody playing a passage with bourdes and with. Foundat if I heard it. I marks not object to much as I fancy I should. But I think Bach's music deserves all

Mr. Stermarn---- think as Dr. Ceremings in also a Director of the Philhamace's Society he reight refer the success of Bach's grants to the committee of the Society-

(presson of Beers many to the commute or an owney. Dr. Commun.-The Philhumonic Society is a purely Orchestral Society, and at present we are dealing with erran many.

Dr. Pitten inpuired how Mr. Stathan would reader the G raiser Farture on the organ in point of expression. Would be readjusted a sense or instatholed feeling throughout, or pity it more in consecutor with Liarth press/orter mean-stiphting to which be shad alladed?

Mr. Storemus, T. will account its law quarters from 1. ways. These transition is not store any provide list for the most part. This longing is not store any provide list for the most part. This longing is not provide the provided in the most part. This longing is not provide the provided in the suggestions—that the add partments are suggested to be the suggestions—that the add partments are suggested to be the suggestions—that the add partments are suggested to be the suggestions—that the add partments are suggested to be the suggestions—that the add partments are suggested to be the suggestions—that the high partments are suggested to be the suggestions and the store of the store of the store of the suggestions are also be the store of the store store of the stor The Mathetic Transvert of Back's Organ Music.

take it for what it is, because you caused get the copying befflaway otherwise. Sir Predent's Bridge has point minfrom my hardward, most independent. I was a creat martial to play. He was in a difficult neither, he had to arrent a totaler undirace with communication three firms a week all Bach's otgan masic. I have heard ben speak of it simplify with solectelty. And I never heard him do anything with desire to do his best for Bach He only cave it more effect. and made people Inten to it who would not Inten to sould organ player. 1 did not for a second united to reactify of Barb's fertees. I represented points for this use of take of effect which had been neglected. But a harse like the early D million for instance second to hear that cart of Feederick Beider's reference to his way of feederic Mendelapohri's farme, an it is the way I have abarent an impression that I are coverday. Bach's furnes as material for instrumental effects. I only throught that they had been by any means. As to beginning cristly and ending loadly, well cay that there should be a constant moreose of logilitate

Dr. Carensen. – With regard to the queries of same a dealer is giving out a legar. I think the dealer is very terrible. If twee no campany, and a cardinal network in that way, I should feel very much include to place itse. Each wanted the analyse it to accurate the code have written it in otherse. I protest near strongly against giving out a mbiest with the dealer.

Sir Percesson Barron --Did not Dr. Hopkins once express himself on the subject is prior? The Construct - University hand bin supports his opicing

The CRAPHON .-- I have only heard him express his opinion on what was added above, are on anything added below

Sw Fagonaux Barran, --I think a good deal depends on the load of stops you find in the agen. With regard to dealbrs, I must say that a very soft of d. dekines would

170 The Asthetic Transment of Sock's Organ Masic.

set offsect one. In the forgue in G weight 1 should not accupic to only a description of the set o

Me Systemat.--- I should blue to add that the effect of phytog on a mulation stop to not the same as playing on the pasts in outpres.

A vote of thusks to Mr. Statharn was then passed

May no. none.

THOMAS LEA SOUTHGATE, Etc.,

DO THE CHAIR.

ON MUSICIANS' EARS.

By MIRS MIRING A. ELUS.

I nave been asked to add farther details of my observations of mesicine' cars, ingether with sense of the stellation 1 have gathered. It will be bort to place these details first, as an introduction to this new solucit.

The executed is the interference of the the propose of interfaction of control of the property of the propose " interfaction control of the Aphanas Revisites functions on the mean remease of the control of the property to be noted own the heirs, the controlents, the trapes, the actutings, and the body. Every our effitts, so that is has been found very difficult to reduce the values to a prosting form. The means makes an advoction of Rawlands.

Biving above it is one of the type observed theory is the fact leader is the server of the type observed the period of a leader is the server of the type of the server period of the server. As a Provide database where the period of the server was provided above of the server of the server was provided above of the server restored and the server of the server of the server restored are server above of the server of the server restored are server of the server of the server restored are server of the server of the server restored are server of the server of the server restored are server of the server of the server restored are server of the server of the server restored are server of the server restored are server of the differed frees the others in having a width of conclus that unserfored with the usual oval share of the purps,

The lot of the plot stresse, bins low, give are much like the methyde area in remains, be well, all the large the methyde area in remains, be well, all the large the distal Association (but 1 activation the pages – Online and the large the large the large stress and the distal association (but 1 activation the pages – Online and the large the large the large stress and distal association (but 1 activation the pages – Online and the large stress and the large stress and the subscrement with the low of large stress and the busicent stress and the large stress and the stress and subscrement with the low of large stress and the subscrement with the large stress and the large stress stress and the large stress and the large stress and stress and the large stress and the large stress and stress and the large stress and the large stress and stress and the large stress and the large stress and stress and the large stress and the large stress and stress and the large stress and stress and the large stress and stress and the large stress and the large stress and the large stress and stress and the large stress and the large stress and the large stress and stress and the large stress and the large stress and the large stress and stress and the large stress and the large stress and the large stress and stress and the large stress and the large stress and the large stress and stress and the large stress an

The power of having are well bases to code it to be sovered, and the best the costs with physical and a pit to write the high costs of the the the sovered bases of the two stars and the source of the source of the the source high physical costs of the source of the s

Since the shape of the noise on minimum the hard and the start of the start of the start of the start of the start proton of the start of the start of the start of the start proton of the start of the start of the start of the start proton of the start of the start of the start of the start proton of the start of t greening, appendix at about this to formate peem of eqs. All instantings the same of the loss in strends, building and the same peer same of the loss in strends, building and all instantings the same of the loss of the loss of the loss of loss of these of these of the loss of the loss of the same value wide outlines in a same building and the same value wide outlines, as and to results are loss of the same buildings appeared on the same building in the same buildings and the same building in the same that is addressing and in sanching their disadjuncter to fitted the same buildings and the same building the same results in the same buildings and the same building the same results in the same buildings that is shown building the same results have a same building that the same building the same results in the same buildings and the same building the same results have.

We must now describe the different kinds of musicians cars The orderary kind of unde orders in three-courses the which of the whole car at that part, and indicates receilent powers of hearing. The wide could between the tracus and anti-trages seems to redicate queckness of heating whole time. Planuts, covariats, and conductors of lange orthograph uses by possess these forms when they are very efficient cardierments and leaders. When there is a mole office with a the chief delight, and vachingst often have that form-a.e. Paragetes (see Par. o), also noted opens segmes. For portrait available with the ears shown side free of maniate complete. violization and mere singers, so the Marked Courses (this set and for canductors of varying degrees of celebraty, see " The Year's Mane" (1892) Acabagat amateurs, a dehabt in singing, or in hearing the singing of birds and hernes voices. where there is a moderate orflice and a narrow inlet. (See

When the base-bins of the offset is market emerging gamma of the sections in the base-bins of the sectors is provided by the sectors is provided by the sectors is the sector sectors is the sector sector sector sector sectors is the sector sector sector sector sector sectors and the sector secto

There are, of course, copresent without this force, has an invite constraintion it will be found that this is due to the other qualities of the mancing height as accontrained that the power of hearing awardly high course in not the special port in their autros. The solver in composing each of the overver, generally show and work, and sequentiated that the overver, generally show and with a site sequentiated that is a sequence of the second second

Where the cold is both wide and long and goes resulty of the sample down, here scores to be an intere capacity of the narreliness facility on the pisson or the capacity of the specific power, and, makes the origin is an index, it may even without original powers. These parents do index anoth composed halo, fact that recording the second south) composed halo, fact that recording the second south origination of the specific second second second south originations will despine the compose very specific souther structure will also compose very specific within twelfset.

Even had a very welt right set, straight at the base of the editor, with a police marking the ploce when the end of the later target and the set of the planes. He presently yees the herves by early, but in one of the potentiatis from a physicipation in the Markad Cansure (Nescender 18, riley), the har so nearly off the lower rest.

Wagner's right car was wide, and the orifice was curved at the base, slavence a moderately wide short relet.

Sir Frederick Bindge's left ortfice in very wide, and the base is nearly straight, going rate a wide milet that ords in a point, shreet level. It is the typeral organise composer's ortfine, of the best limit.

Brahma's left orifice was very node, and counded at the back and base, with a moderately wide and long inlet, sketted upwords till the lowest part is lovel with the base of the refere.

Chepen's right outlice was wide and grathy curved at the base, the fallet short and wide, its and level with the base of the outlice in the way seen is many of the calekented

Mapprhen's left onlice was rather wide, with a nearly straight base, and a long merow inlet, sheeted like Ser Walter Perrottic.

Schnbert's rught ortiste was wide and rounded, with a short wide inlet, sharting downwards. This is in a portrait from a passing, and secus hadly drawn.

Most all the same in the older supprivings vary too much be be relead spon, but in the case of Mosser times is a testion reasonablence successful the basil perturbative visit case is above, those a descent, and even in tabilition of the visit case is above, as they are understand with the state of the state of the set of them as percendents. (See Figs. 4)

I note consistent interaction participants of inveger fields in well as of certificated meass, and where the mean strate not during users by anytics causane, the shapes were as individual an stry others. The wells of the grow, and the ideal of the outlines of the profile of the grow, and the length follows that of the mean freeze bursters it is systemed to where the recently mean the upper Hp. The megness have while same and are constited wereard.

Some norm-cetts verbe can, balacging to Roman durp, ner the University Messens, Orden and others are at the Particle Manages. They paper to be stored by worded and the store of the store of the store of the store store of the store

A word error be und as to karefuly in the shapes of rars, a subject fully instant of in a chapter of my book, and which I first brought mate notice at the Britshi Association (1955). One arrive of any parent will be repared in the optionir any of one of the childran, and one office of the other parent will In factor that the same chairs other mar. It is presently the clotes that the "takes site" their potentia in this remarkable way. If the marker has worker or narrower sure than the latter, the same of most of the chairs arguint to be for momentum final sites of the same site of the same final site of the same site of the same site of the Resolution of the listshin Massaux. There is mothing in the slape or site of the same the sites to be same and or ; if is simply in proportion to the length of the ness and

T subjets as analysis of a bundlerd array, this from the Manual Covine (1959), whenever the portrains an develop repreduced free plectographs. I have subjets base able to abtuin our one in such case, therefore these are literally a hypothel energy, no a bundlerd pains of ears. They appeare manual and a submership and calculatively but for obvices requests I have not given their sames---

> 4 Composers. 23 Bruchts. 23 Singers. 20 Organista. 3 Organista. 3 Bycchatter (r.florent, 2 harpen, 1 maadebeest). 20 Eans of Musichun.

> > Original Street,

25 while (48 were very wide); as moderately while.

INLETS.

39 wide (all were very wide), as moderately wide, stnative.

GENERAL DELICEMENT.

Composers have very wide oriflees and generally very wide tolers.

The best plausies have very wide onlices and wide injects. Most prod singers have wide onlices and astrow injects.

Good wichtning have wide offices and sarrow but very long relation. Crystratists have the critice shared into a wide relet, coinsed

organization nave the prince dashed into a wide inset, painted at 25 base.

Conductors have wide oriflees and inless of any of the above shapes.

The pair of Liés paper is the part which was read for may by the Sectromy of the Marsel According at the tracking of May ($r_{\rm eff}$ to whose my characteristic data for the tracking start of the sector of the sector of the sector of the sector analyzed read shown as the examples of the variant leaf sector of the sector of the examples of the variant leaf sector of the sector of the examples of the variant leaf sector of the sector relation of the sector of t

The average shape of the pinna, or coare car, is somewhold coal, with a large lobe, and a moderate orders or comba, which meline to with or narrowness according to the powers of hearing of the possesses (Sar Fig. 1.)



The shape and note of the earlies—the cosciles or tellow of the ear-separatily indicates the powers of the androxy nervers, and the simplify all the adjuscent inner points (the Examplian table and inner security to restar dealines from cold, discuss, or cell age. The outline of the critics in formal by the trages and anortrages, and the solid between there, (the Pin trages).

A wide office pushes back the lower part of the car and estimly after the average oval glups, inequally shortening and welening the lobe. [See Fig. 2.]



With this large web certice, a good power of hearing scence always to be owned by the possession of the ser. Such persons acknows become the faunt deal sourch and the series severity or sights. At them are near we wearing alike its a pair, there is always one can slightly from weds in the articles of its the isles between the traper and anti-request than the order, and it is articles on the scenario is a transformed to the slight of alteries on the scenario is a similar deal and supported beatm over the before models that.

We must define a revenies for our present purpose as a present who can dimignish between manual normals, and can uppedent them, either by playing spen as instrument, or by signing, or by writing there down in security studies. These who can dimension masked subsects and writing marking, a men used on any consistent by the base for plane provides and many studies of the studies of the plane for protecting and the provides of the studies of the plane for which the neutro of baselow flow coursing subsects.

Must us provide metal and we must also define the wellharway Regfini press who is "mpright." A wanted permuner who will hum to music with most or low physics, but will be making to reproduce it in any way, however bady, and will resure revent? "Anomena" to recentive us easy toos. He will not distinguish between goal only last measure-last (a), but fifther grants (a) and (b) are the start of and respect any distortions. He will creating and then the will be any approxy in the produced for that is using " any other that the start of the start of the start of the start tags." Contrast means he will " contrast, and the start tags." Contrast means here with " contrast, and the lower cleanse, the small produced for the start of the distort of the start of the start of the start of the distort of the start of the distort is no experiment with produced the start of the start of cleanse, is addited in a k laters beam hard, where each distort of the start of the start beam hard, where each distort of the start of the start beam hard, where each distort of the start of the start beam hard, where each distort of the start of the start beam hard. The start of the start beam hard, where each distort of the start of the start beam hard, where each distort of the start of the start beam hard. The start of the

The suspensive car has a wide antice, with a large space between the tips of the irrgin and axis traps. The wire between the two latter is very shart, and other alternal up utilit in menty level with the base of the orifice. (See Fig. 5. Easy of Messers.)

Birth tar

Lett Br



The two ears of Moust show way beautifully the two forms of the secondaries are. They have been drawn from the beau perturbs at the Hope Galestan of Poetniks in the Bedden Librery at Obded, and as they fit the foct they are probably accurate. This is shown by the outline which follows the outline of the juw and draw, which are theoreties of a shape that infinitus that the ear reast is the ear.

We tau prove this such ease could only belong to a module by comparing them with those of the late See [also States. [I should metrics that it was with his express permission that I give these outlines, together with those of its fincth, Preferase Six Hubert Party and Sir Walter Parrath.] (Six PLg. 4. Ease of Sir Jaho Banaset.)





The ordine and injet of the right car correspond ensating with those of Mozart's left car, and these of the left car with Mozart's orbit car.

A variation of form is found in the sam of Sir Habert Parry. (See Fig. s. Ears of Sir Habert Parry.)

Both orthogs are wells, how the missi as the right such to egg of medians wells, proventing full access of sweet seconds to the second state of the second state of the second state that second states are stated as a second state of the descent states are stated as a state of the second states a likelihood states are stated as a state of the second states being as another states are stated as a state of the descent states are states as a state of the second states being as a state of the second states are states as a being as a state of the second states are states as a state being as a state of the second states are states as a state of the second states are s

A still more remarkable variety of form is above in the own of Sir Walter Parents. (See Fig. 6. East of Sir Walter Parents).



The cer is long and indicate is be overly, yes the enfine or which in properties in the cer; is not though the inter is long and airrow, yes the top is consentiat which. In the left is the indicated on make mean for this shape, and the point of the sentistrange as a reach that the whole cer is nightly widened to make mean for this shape, and the point of the sentistrange are need care, which the base of the certice is any the certical state of the sentistrand stands, which certical the certical state of the certical stands which certical the certical state of the certical stands.







There is a seet of likeness in this left car to Ser Walter Parastr's right on, but the orline as not so wide. It belongs to a maps in a large choir, Another members of the same choir possesses ensisting different ages. [Sie Pig. 5. Ease of second member of the choir].



184

The last orthog shows the nature of a municipa, but the right writes conservates it by being to much narrower, whilst the infet, though wide, goes nearly straight down—it is threefore likely that saging would take the place of instrumental occlemence, as being realist to a much an

The a carried profile percent of its carries that a flow, the renovmed single, the lower part of the car is shown. The effect is very web, last the init is a sarrow, though as it singles up sandy lower with the base of the office, the whole are parts its magnitudy power. Purtups that was the scenario of the extra reflax as funded down as houter.

A well-order alphag woldenly into a shirt wide wide, in found often arrorg organises and professional pushelar, according to endern photographa. When the mile in out to wide, gainged instruments areas preferred. But wherever the materian wide a corpored or in graveline and soccardial reases, the base of the artisse is pushely fixed to be nather distingtions of the artisse is pushely fixed to be nather distingtions.

Popular use a mar-loss performen, and if we can trust the portrait, has our would bear this cot. (See Fig. p. Onder of ear of Parametal



The asymptotic region of the difference of the other of the other of the other in the work instorter in the base of the other in the work insteduce is in good component. We cannot be certain that his even is registry down, has such as a sharped order is not to be seen as way other portical of the many theorem in the toter out the seen asy other works of the distribution. Pagewinth one must have been as extremelinary as this cose, is any case.

Among those who copy good music and attend concerts, frequently, without being masse than the merceri annahum gentermore or singers, will be found a pretty rounded form of offices and a rather narrow salet. (See Fig. 10. Ears of a concert-men.) On Musicions Kers.



The right onfice is the widest, and where this is ferred the owner relaxes by degrees is attention to mode. Aroug failes, the ound access in their being "too boxy", although far busser folls, where offices are less unequal in wath, fue time for the widescent of

"lished sweetness long down out." The instate love of music survives to aid age, in spite

all obstacles, if there sheadd be one car that has a very wide, orthor, (Sre Fig. 1). There should be one car that has a very wide,



Here the right criffer being less which that it is in all the list aurrors, match was public due due, in this case by a Gasker systematic and public life the surgets here income of an the source parallel life. Carries of England, the subcode public due to the surget of the surget of the abload public match and the surget of the surget of the metho wells and wide piele expending engry classical name, and dashke had ranke without incomer why. Here the here a good hereing in this was star in her yields, thengh the here a good hereing in this star is at in her yields, thengh

When the here of the base of the avide is a last flat there means to be particularly acuts hearing. (See Fig. 22. Ears of an aged amateur menidion.)



These are the cost of an attrattor resoluter, whose hearing, at over eightry years of age, so thit meas acute that of result years below. The tight office is that of a mentione, the left is also wide, but the long traight amount of betting, the ansaton, which the strengthreen at the base of the office theory the vanishily acute hearing.

As absolute native to parally access while, the network of the second se



adult sounds, does not like manin. (See Fig. 1). Bars of

where the owner prided herself on being able to hear the bat's erv, and she assured me that ninety more per cent, could seavers in bearing that shrill around which the unreascal pear to obtain frees in.

It is well known that needs forceasely bear differently It is will allow the proper anophical to provide I after this paper that the shares of the orifice and the mist dicate different powers of locaring.

It would be well to take special care of an err with a narrow office (as of the sight of a weak even, as the carine is more limble to mafer on that side from chance sgrary or cold. I may mention that the amaleur recent eachty was care for two or three days maldenly deaf. caute was dustifiations of her pervens system, and with proper remothes, her heating retargood as acute as over. If to over-fatime of the sufficery nerves, the would have been able to award that traceitory deaferss. It would be valuable to our young singers, who more often have sarrow raisis than

On Musicana' Lore.

value cone, is insert how to take care of their intering. There we have a different way a subscription particle of Sochneyr's weak of the subscription of the subscri

There exists not some arg transis for any case that height Officient from the relates, and the lists resources for the following deductions: I have drawn from protocol deductions. Is a superscription of the second second second second second even where the second second second second second even is whether the second second second second framework and the second second second second second framework second se

DESCRIPTION

The Constant on Lefter and predictions, 1 do not have the constant, because the second secon there are two or three things that have been stated as which I should like to offer a feet remarks. Einst of all as to the there ears. I must confeas I have smally looked on the matter as one of natural gifts and of training rather than depending on the contour of the particular apporntum with which mature has menaded as to hear masic. but, orthands Miss Elbs will tall us if the counders it is not no. If that he so, and there are enough enoughes not when a set of a set of the set of th tell at once when children are been whether they have a chance of becommentations. What an advantage it would be! All the unfortunates who never do anothing patisfactory view. I set a drawing there of Magart's eas. Of course, appendance, and these especially why have been to the Monsteam at Salabarg must have noticed this I always perhaps it is not, but it differs coornerally from the summal form of the ear. I should like to ask Miss Elis, who I hope whether the bas had her attention called to the same of barbarous perplo-I mean people who cannot appreciate Bach's fagues, or Beethoves's sometar, or Wagner's operasthe cars, say, of Zahu or Mattentors, sell she tell an adother the case of the cavitated accele and has examined ? It certainly seems very curices to hear that as one erows the rates creates of the car can be allened by anything that barrent, but, as I understand the outer, theology has the power of altering the shape of the car. If no, it would be were during the tanget of the case of the case which is the solid and renter kind of religion, and then we might have our cars property and theologically shaped accordingly. With regard to were grean many years ago, when I was quite a young man, of the Certi fibres, which otherate re areasen to the patch of the various stunds we hear. I think I can resonaber an theritation which Tordall case. He had a sizes, which was rises I wiet service who is no imper able to hear the second

compare half on the lense. The start of the could will be them. Let us could not an end with a billing of the the and and, out about the lense of the start of the start of the start of the short of the them were start who much these effilishing to return the start of the start

The Commune-1 should be glind if Mr. Lennox Bouwns would up on to tell as whether an committien not esty of the vecal cheeds, but of the other parts of the future, such as the soft points, would give any infractions of the prospect of that correlate universide becomes a more.

brought to me from Fierida, a child who, it was supposed, concerned. " There is no reason why she should not, but there is not the least reason that I can see why she should " with all her constructions, was a very wonderful woman, in criticising a locture of many nucl. "You must get the soft values of a sugger as hard as a bone, the soft palate is the way I should say with regard to the roots of pointers, though I believe the blar eye characterized Turney, William Hunt. William and a complex of other havar mainters, saining as colourists, still there are many five colourists who have not blue even. Bo I say there may be something in Mus Ellif's contention in the peculiarities of the external ears of these recal concerns, but I do not think at had anothing to do with their hear considers, because I think you would find there conditions in people who are not memclans, and many manufact phone area did and conform to Miss Tilla's Though we are supposed to be symmetrical brings, as a matter of fact we are not. There is hardly a person Iving in the civilised world who is perfectly asymmetrical in fostures-especially is the nose, for coursels. There tion look at the outsule. Although I can handly adapt that I should have been more convinced of the accuracy of Mine rough diagrams from paintings or moduls. For unstance, Hile alternion to the details of his cars. The car is a fasture of the fate-and it, to are crind, gaits spein a perimit to have been if they were obstoryaphs or readels. You have to consider the ext free the position of the instrumentalise or composer. The moment we speak of a comparer we think of Rectioners - Miss Film all adapt to him. Reethmers is summaried to have had three periods. His last I have mad was crude.

On MADDIAL EAST

most mature and most perfect. I have heard he did out uiting well for the voice because he was deaf ; but I have heard the thing that cannot be analyzed; it is an errolpable min bestowed by the Alangky, and not dependent on any playling mentality, in the paper I mad on " The Youte as a Musical Instrument "before the Association a partier of a center in the performance of their work from dealerss. Thus case in the car that is most exposed to the barrel sale of his gan. Players on wind instruments are reach more hable to unfer case in one of two flastints who played tide by sale. He told into hes our, and that this unterfaced with his percention of his. correctly is very mest, as you all know. If a want word flatter than he should, he may be tauply out of condition . but while because he beaut events leader than there are while a merson deal from disease of his and tary percenders when he at a charactenstically high nitch. This cardians the recease about Betheven that Man Like made; he beard scends with many mentions who unley from a highly weather reny to certion sounds; that is the penalty I suppose of education. The following anecdore illusioners the apportance of hearing to the singer. Mr. David James, the actor, had a very of outer. I ringested nothing whatever wrptg with he vocal or some bet there are a bieb dearer of deabeer caused be A still more colebrated memory-a great candictor-

Miss Camerataven. ---I should just like to add that size anamity was created there have been so two person alike. There have been so two ears gate alike; so it may be incomable for two persons to hear alike.

swarks resurding the physics of hearing, there are one or two points Mr. Lennox Browne made on which I should developments in this connection. I may say that the theory of Certi's fibres is open to revising. There are a few facts which do not again with this theory, and there are consulting. theorym already formulated. The whole matter home not unite understood, any new views properly out forward in a scientific manner are likely to be of great value. I must nav and so give rates. If we have a period with a sciences between the shane of the esternal car and menoral shifty connection on physical grounds, and Mr. Lennas Forume the shousdorigt and to the physicist. So I here Miss Effet will not be discouraged, but rather try to schwarce her theory in the way I have suggested. There are scorecific maranized that would be glad to receive a stabilitizal setuple on the salvest. While I am on my feet I should file to ask if Miss

Mr. Leaves Browse, --- I farey the compass of whitting corresponds to the compass of the voice. Yorkaps our friend is whisting is beyond the compass of his singing voice.

regaries of Dr. Lemmy Browns, 1 hardly think Mus Elecwork the shape of the cars was sliced. With regard to some of his masse of the last period, there are a road many with his even, yet if he had afterwards heard with his even. what he had written he might have modified and re-written some of R. Now, has not ear-training very much to do with of their lives. But sometimes these persons are moved to of their lives, our concerns uses persons an arrive to laten to " nood " music, then to take an interest in it, then he only liked manie a latte till be west to the Crystel Palace. much swaller extervals in their scale of menical sounds than ours, and they can detect differences of pitch that we hardly selice. The Indiana employ something the twenty two of maining? If we had been been in Judia, doublicity we could do it as well as they subtreas heine trained on spercents nothing else. I was struck by that pererk of Mr. I amore Drowne about memory fat and above. That in

determines an worklike and an obset for . As to interme provide the provide structure of the second s

the exception of First 1, 1, and a, were all taken direct from the course of mecoaring my book, never finding one of my identification and revenues on the share gives hearing; but it gives the reductive of the land of of an unprotect office to be a property. As to hearing twysty-two medical sounds in the octave, I could alwave wifers and both inists in my own cars are wide, and I have found the will indicate attention to all kinds of a same access this will must be attended at photographs of all the shapes of an ear whether it belongs to any particular ration. became they wary according to the envire a particular neuron. and made ner defections from them. I brown's these spectraces because they were striking illustrations of the analyzet; I thought they would abow they had forts behind there. You often observe that a face is multirupt, though you may not know what particular details indicate the intelli-prote, and you must your children in accordance with these indications. The car is alice and faily come all along fearteen watt of are. You can tell what kand of munc a child

they will yet on much better with their mane while they are bundends and thomsands of portraits, naturalarie all the

Chargement of shall have to ask you now to move a vote of thusks to Miss Elks. Her theory is that as the free to the corrupter her more by our values of "Proceedings," the relates it a letter, and ever an some mant facts, torother with tabulated deductions, and show how the cars of unmictante

mention that before this receipt use, without isocome ray had the "organisti's ear." I am bound to say that har The wate of thanks was then mented manimously.

Jana er, sper-

A. H. D. PRENDERGAST. Ess. M.A.

IN THE CRASS.

"CHROMATICISM" IN HARMONY.

By HARREST WRITTERY, Mun. Bec., Loon, F.R.C.O.

Mr. Consumers, Lamus are Overseenty.—Refers 1 begins or paper, 1 with to say have highly 1 share the providers of pointing my share, before your or this accession. As expected to be a set of the same share the same share the same budget for a large time part, and it is none which 1 sheeting probably paint large times part, and it is none which 1 sheeting probably paint large times part, and it is none which 1 sheeting probably paint large which say that your entereord Security 7 body much particular to come of special of this times 1 was and to even prepared to come of special of this times 1 was and to even prepared to come of special of this time. I was and

This, then, to same extent is my excase if you should find my paper lacking in observers, or sufficiency of tumples, the collectury of which I had led no a more converging manage.

It requires scale scalars is birst freezed over ideas a constructional analysis as shown in home scalars and the feat the pass, but there is positive, one considers and the pass of the pass of the positive scalars and appendix of the pass of the pass of the passing of the depictual is not be passed, and the movies the means of taking pass critical appendix constructs random to be appendix of the passing of the passing of the passing the passing of the passing of the passing of the passing the passing of the passing of the passing of the passing scalars and the passing of the passing of the passing of the statement before the passing of the statement of the passing of the passing of the passing of the passing of the statement of the passing of the passing of the passing of the passing of the statement of the passing of the passing of the passing of the passing of the statement of the passing of the passing of the passing of the passing of the statement of the passing of the statement of the passing of the passin

"Circusticius" in Barmony,

concereption, before he avails highert of the truthen of which speceric day weighting, data advanced proveditions of which regist is commonlished was wher I would call Concernent with the productions of part entrying as it actually come to-day. It composes' horroway, see blood gats to have the interpret of the composed of the composition of the the interpret of the composed of the composition of the second second second second second second second the interpret of the composition of the second second of the second second second second second second and the site of the combined to deards a performing to these second and the site of the combined second s

We can set the set of the set of

The weak "density" is come from a Gard's weak (gard) and the set of the set

* C. E. Abdy Williams.

Concerners: Response, then, may be defined as that which is for the time being freeign is the preveiling smallty. Enamples of determine harmony may constit of (1) converse rationant or of (2) and and converse.

Consourses Towarts—When a single check discarctering of genes facures, keyn, a twordpeed on the wriddle of a composition, we agree to call this a sknowniar tobed, for two singles on the this preventing of the single of the preventing single check a complete passage or programme in the time angle check a complete passage or programme in the angle check a complete passage or programme in the single check a complete passage or programme in the single check a complete passage or programme in the single check a complete passage or programme in the single check a complete passage or programme in the single check a complete passage or programme in the single check and the single check and the single check passage of the single check and the single check and the provide single check and the single chec

It is admitted that programmes and not chercle infine a key, therefore a chromatic programion may be used to define and substantiate the term cancelerus key, which term of course is only used in a substrainate series

(The fast that the inclusion of a foreign progression, or passage from a foreign torolity or chromatic key, presents the pressurence of a reapprary manufactor or medalation, does not affect the case 1

Concentration that may be said to define the temposing subases of a force galaxies within the prevalue grading ; and this element, as provinely motificated, may contain to (i) converture maximum or d) of means crosses. In the fermer case, a keeps to drawning they or treadly in temposing our up and an analysis of itematics of such reveals the fact that the keys of the flat lists, flat bords, the theorem, course have proved the maximum and course the theorem course there proper such as many and and

Note -- The through element any also be weight or over come of orght more. See New 1 and a from Destances's Valle Concerns and have her Papedore Servers, On 100 (Science)









Nova -1 minor here aprenets C minor. The key of the fact a, many is new, and in this case the minor mode does not develop till the second approximates of the law manufactured.

PRINCIPAL CRAGMANIC NAVE.— The group of privelyal electronics large, as we may heren it, may be sub-divided mantives other groups—ease frame the fast sade of the large sad the other from the therp side—and these trives, as it were, of therp and that large, suggests their concentryme in the esternal result distances large—true, there of the texts and the fifther above and here its property of the texts and the fifther above and here its property.

Starp Tread Control Tread File Tread



The pase group may be described as being built up on the flat sidth of the expersion assess of the central trind, the other proop on the major from. The key of the major superiods, implies the ratio is comparatively match used. Extemples of the state of the second second second second second the state of the second second

Flat simh-Beethoven, Andarste in F. Op 15 (Stude

Major siath - Geenod. "Fatet."

Maner third.-Gaugad. "Fautt." Yocal Score, p. et. Master second -- Megart, Quartet in G.

The three ful keys are not so remote as they appear since they are related to a central key through He teste manor, of which the flat third-its minime mayor-appear

Successary Concessory, Kann .-. In addition to the above the chicacutte use of the more nearly related keeps of the

IXxx replace

- (r) Relative minor of tonio Schubert, Op. 94, hers of (a) Sub dominant | frequent.

- (4) Relative solver al the sub-degramment. Mandelmoharw "Lobgroung," p. 49, Navello (har after A), Vocal
- Relative educe of the doceanast. Mendelandua's "Elinh" (" If with all oper hearts "), bars re to sy,
- (6) Derringer arrest Back's "St. Mathew" Person ("See the Savieur"), Newsfie's See Ed., p. 125.
- (Allegra), see Ex. on p. sen.

It will be seen that I have named the apparently most cepapir chromatic lors as the principal cees. Distance in durrify an their cometences of relationship. There is one point I might mention here, and that is, a choamatic kur is complete movement of a cyclical work, so long as the balance of mosality, so to speak, is not several-plotd. Where, berryever, these rec survey all attacting mechanism in defineted keys as in the following, from Cheynes Yrolonsian in A first, Op gr, in which the keys in it does A first, B first releven, A first, B first subset, doe, it prevailing key should be intercent as the strandporter (I data in them count i --





Binarower or Kay-th has been pointed out that in easy staje indensities leading ones, and of why, as firjoins Sinsare may, totals to preserve the caviting large and the state to lead out of at into the large of the anti-designant (Ex. g_{i} . Therefore the natural indensy of modulation from any manys kay is in its anti-desired, an assumption fully here, out by the arcoduction of the total disorder for the other hard to the conversion (its h, h.



This much latery tendency does not displace the solutionship of the relative tensor of the toxis, which may be considered as still more infinite through its walds' connecters. The harmonic minor scale of the toxis it may be observed messages they for the moter. Some which it will be non-



that it contains close bands of stress with the afternatid keys of the toole and the sub-decriment, and so can be suit is occupy an infinitule position with regard to the same. I think that to an ublicated heavy, the comparitive effects of the descriment as recent to the to before the

conditions are as mently as possible the same) is quite parcel.

Ex. 11

It does not follow that because the dominant is a convenient modium for the anarchites of fugal knowers and sonata secondary themes, that it is necessarily the most closely entropy the tops.

The product of the second or the second state of the second state

It is a remarkable fact that the prester part of the system of related keys leans to the flot ands, and it is worthy of rote, that a masser low modulates mostly (with the encopies of its relative major) to the sub-descrimant of its relative major, or to its near sub-descrimant series.

The conclusion come to, then, is based upon what 3 think is apparent from actual greenial effect, was, that the key of the relative minor of the taster, and the key of the unb-dominant. are more usurly related to the central key than is that of the dominant - the former from its close would relationship to its relative sugger, and the latter from its issuer effect of key disturbance, as concurrent with the formers.

It will been fare to any that the relativity of key as set forth here, is not based upon the multi-mattal relationship of the competitive toxics, as it the Day theory, but on their indecest relationship, in which wave plays as important part.

Distant or Most .- Before considering the contents of the chosenate keys, it might be as well to dilate upon the influence of the tenic muse low.

See John Stainer Jan auf in the "Trainie on Bierzeng" that in modern market its conversion beyond they need that He site specific results where the state of the state of the states of the state of the states of the states of the states and the states of the states of the states of the states and the states of the states of the states of the states and the states of the states of the states of the states and the states of the states of the states of the states and the states of the states of the states of the states and the states of the states of the states of the states and the states of the states of the states of the states and the states of the states of the states of the states and the states of the states of the states of the states and the states of the states and the states of the states and the states of the states and the states of the states of the states of the states of the states and the states of the states of the states of the states of the states and the states of the states of the states of the states of the states and the states of the s



The promption of duality of logs or mode was recognised in triggle by Zarihag whose it that more emphasized the last that the difference between the magne and mixed which was any principle of duality of large, through difference barged at large domains have been provided at the start of the start of the domains have more years. The start of the domain was any observation of the start of the start of the start of the table start of the start and start of the start of th One should notice that the keys of the sharp tried are built up on the range raths of the tools, such decreased, and dynamit, and can be derectly drived through the relative minary of the same. One the other bund, the legar of the first tried the same down in the same analysis of the start of the same down in the same analysis of the same down the down of the same many of the same of the same down of the same many of the same of the same down of the same many of the same down of the same down of the same many of the same down of the same down of the same down of the same many of the same down o

You will remember that the most closely related keys from the minor enadpoint, as seen in IDs. er, are the relative thirty and its sub-dominant entropy.



Mult that each key a shown in via dail separat. The doubd has shown the subars of colationship from the minor stand same

The dual key of C mapse and mone, with its attendants relatives A many and E dual mapse (frees the manor adds), might be described as a trivity of hand relationship form which all the regulations attraction of one key for nucleur should be pourturinged by a disgram, sending to that used resident dual the major does attractions of one key for nucleur should be pourturinged by a disgram, sending to that used to show the workershi and use convention for southers. Generative Generation We can now proceed its the conindensition of chorenalis chools. Since a value' kay, or complete programmers in their large can be used chorenerithmilly it sinds is encouse that any simple view of characteristics of, and belonging to that day can be used in the same way, such a choren being realled a chorenerit iteration.

Reserver Mayes Copenson-in accordance with the trivers here subserged, inclusion concension, the downlow berrywork waves and the subserverse state of the subserverse state waves and the subserverse state of the subserverse state Harpenego, does not consider that with churde care cruces a subsidiation, how many the three hyperest provides. More detection of a charge of many, a new much less takings of April 1990 and the subserverse state of the subserverse director coles a charge of subserverse and here takings of April 1990 and the subserverse state of the subserverse director coles a charge of any lange to the subserverse director coles a charge of any lange. In subserverse director coles a charge of any lange to the subserverse director coles a charge of any lange to the subserverse director coles and the subserverse.



Does would havely consider the Tarece de Plazafie (through in visually acceptors such as consensuing garantise) as a chromostie, there are the sensitivity argument of the sensitivity argument with the sensitivity argument with the sensitivity argument that is stated ender discussion. The true super large of the spatish that is to consider than a children would be the sensitivity and the sensitivity and the sensitivity argument of the sensitivity argument of the sensitivity argument of the sensitivity and accepting compared with the sensitivity of the sensitity of the sensitivity of the sensitiv



In Eq. 14 we have an instance of the use of a minor exercise thank in a major key .---



"Corewriteless" in Hermony,

Coverances or Concessante Kans.-It might be instructive to give a but of the peincapal rootents of the chempartic keys, both printipal and screenfary, any single cheed from which is available in this connection ---

From Ediation Maner of Tonic









1 Martin Parter 18 Age

(i) may be avoid that these choice net constant which can be desired law. for more result, ideal laws. The herea for hereaf the major encode to long the property entropy. The laws of the property of the second second laws of the property entropy. The laws of the laws of the laws of the laws of the property entropy. The laws of the laws of the laws of the laws of the property entropy. Some the historical prior of view, for its frequent me can a second laws of the property entropy. A second is considered in the laws of the second major is the laws of the laws of











Ix a



her size Es yr by Rassad, and Examples examing at become on the suprement trad and the approximation of the

Mongueries.---With repard to modulifies the question may area, at what print does a chromatic cloud energy into

a element of the pool is the dense of the percentils of a larger of the event targe, it also chosen of the percentils of the larger of the event targe, it also construct as the task the event the element of the event of the element of the element of the dense of the event of the element of the element of the element of the base of the element of the element of the element of the base of the element of the e

Ko and





In which he argument that local satisfaction is not found until the final closed of G is resolved. In fact, this only been out of the second second second second second second second second second select two products and the second second second second Ex. s. and a modulation is not up as south motion as second second second second second second second second second in Ex. c. a change of key is superscened. Dr. Hummars, in that conserves observes above a "Hummars second se

Chempableing " in Harmony.

r. When the introductory chords of a chromatic passage are ambiguage, as in-



it is necessary to analyse from the standpoint of the constant o. The seturn is the torus may be made by the means of

a.e. or growing in the key of the document with an increase the frequencial increases, and, a calibrary stated, the increase, which is a new in the relative position of with document, naturally \$20 million and the state of the frequencial and address in the most marky million for \$6 million (see collidar differ an the use of ascertors harmony prevaiding a periods at that do composed collects, is which the ext growing the applicability of the state of the context of the applicability of the week of the context of the applicability of the week of the context of the applicability of the week of the context.

In the spaces the effect of a shumatic cheed or passage (as in divisions 4 and 5 below) will be delt to belong to usual follows and should be to contracted.



of F. and is so analysed. The supervised direct in federate in hading

But, on the other hand, a departure from the tonic maps through the dominisct mapse will generally be felt to come from the dominant Half.

3. If the chromatic key be a fail one, then the netron through the damman has the self-of a what it would call assistivities, which is ceally only a magnified instance of the use of a peole discord followed by one as the superstance. Is the following example the "coefficient" in four dominant to able dominant in-



4. A chromatic key may begin with a chord from another foreign key, and an reporting the original key may do no through the means of another chromatic shoul or subordinate chromatic programme.

5. A rettern from a chromatic key may be made to, or by commo al, the toric miner mode.

 Enumples of chromatic totality may contain within them other subordinate chromatic passages.

 Closely woven sequential passages, the tanality of which proposes editedy or mostly by semiloses, frequently wallity the tempostry toxiality.

Instances of Nos. 4, 5, 6 and 7 at above may be found in the following estruct from Beethoven's Scents, On 11, Allare -













 A choice may begin with a chromatic chord or passage from a chromatic key, as for instance, in the familiar Wolding March of Mendelseeps, which memorally in the key of C havins with a chromatic constant from E minor.

Before leaving the quantum of modulation it might be as well to say that modulatory analyms can be consumerity mode on the system of considering the baseling modules in such messative step in the process. The instance, a modulation may proceed by steps of a find or maps mound, as in Ex. sy, or a fint suith, or by the frequent plan of wid-demonstrat mesors, as in E. 89.



To compare, is will be some them that the above takeness pretormalized the source of the source takeness of the source of the source transmitter lends, or an and wild be that and the lend by some other excession is where the baseling source of the source of the source compares is a source of the source of the source of the source compares of the source of the s

Constants: Arritanton—III is workly of note that the chromatic existences on the flat scene in an many second are represented for Riz. 1449, also the argument trade on the costs, scheduraissent, donitients, not flats situation. Construct the biologic is the interface of the schedule are construct the biologic is the interface. This is the basis construct the biologic is the interface of the biologic and construct the biologic is the interface of the biologic construct the biologic is the interface of the biologic array consequences of their time challenging the biologic as is driven to the construction that Construents underface

"Corenectician " in Harmony.

though taking up a very conservative interdepide to regardly the higher disorder, and a very attituation out as an equivalent characteristic doubt. Bickler proceedings it averas approxime to doubtering out one production of the doubtering of the production of the

THEORETIC CHRONIETIC SCALE-Suppose we consider the mention of the selection of a meiodic formula to consist of look at the crassilon from the beginning, and we should be as in chramatic scale, has stymplogically really sothing to do with semitrose. The construction will be entrols when in an articleary survey according to laste or conservance. In European countries, owing to the preferinging and arbitrary informer of keyboard instruments outed on the intervals. In Eastern creature, where they are not under this informer, the number is variable. It follows that that any protein of chrometic manyory, which is found on a This, then is the notifice. We are configured by theorists who say that A flat and G phace cannot both exist as the low of C, and who mint that the to called chromatic peak goat stale most perform consist of the whole number of hormonic intervals which are available from any one particular standposet. On the other hand, for melodic purposes, it may poset, on the other hand, for melodic purposes, it may need to any number that is agreeable. Personally, as yet, I see no reason for altering the ordinary form of the chromatic scale as reports pavely sololly painings. It is merely a matter documentation. Perhaps I should say that molecular is fact, it is possible to build up a sufficient series of vision and miner trade without rouse beyond the bounds of the chromatic keys which I have pointed out are in general use ; the key of C, the notes C flat, if deable flat, and B double

But us as there is the thermal barry is general as, but one of the second secon



(iii) this oblights in stating to instruction as there exists the stating within A decided from the larger of C the defined how it is forget of C the defined how of a station is stating as a stationary in the stationary in the stationary is stationary in the statio

If we could grave to entitle the stream analyse of keys to be a stream of the stream

"Chronolicuse" in Harmony,

evential theoreticians and historians) that the system of scales and modes, and all the network of harmony founded thereon, do not easing to next on any interestable later of veters. They are due to enthetical principles which are constantly subject to charge according to the programming development as we understand it, aross "from a combination of raciodica as we understand it, areas "non-a concentric of remotion nearched mensioners and it is averaal by Heireholtz with the ordinary superimposed system of thirds does Press, I may say, is of evision that if we let into the hav of C the whole series of chromatic cheeds proceed, " the whole theory of a key as containing twelve notes goes to be well at over," Well, they are there on that case I Well, then, gentlemen, in that case I purposes, will ultimately have to give way. It might be these excelions as controlling to some estant with those helby Cardinental theorists. Prakmar Nicks is of control that "a sorrourd chord is an abourdity. The so-called least in tradentias bries offerent on each. The combinatornily, is a sheed with run elements of county, whilst the the same combination of notes and its different charagter as minur," &c. Of channelse rates, he saws they are "subset-They suggi had to be regarded as something tarrups to the treadily or the low. They may be removed as artificial locately of the key. They may be reproded as armonia malofic drift are emphasised or momentarily altered." (See



Professor Nitcle also anys, " the keys to the mysteries of * Marpiness.

"Chromalarian " in Receipter,

harmony are (a) the law of dissonance, (a) the law of tocality, which is the higher law.



The law of disseasance is satisfied (in Ex. a)) by x, but the law of toughty is not satisfied until a in reached. H third, treal mitafaction is not found until \$, the tonic cherd. is marked. I believe it is the teerd reader due to be hearing It is parely a question of surroundings. We quite agree that the F sharp, C, &, D, has quite a different effect in the lev of comparison one different. In the first care the effect in tonably in set any; if, on the other hand, the "tonal tendencies" In the second example the F aborp caunot be considered as a modification of the discoses note P. Let me refer you arran to Ex pus, a and p. The chord F sharp, A. C. D. in the same either with the chord walf or the chord that follows. If the configurate chord is made sufficiently represent a new towalty is set wo; if not, the dutarbance passis away, There is abarbarie on connection between chromatic. solution even they much easily be described by different alphabetical sames; arither can there be any connection between F. A. C. D. and F sharp A. C. D. Any "momentary alterations" of the "mailchip drift" then is well due to the above that any combinent system of chromatic harmony can

"Chronaticion " in Hormony,

Conserves Dependent-We will near teach on the second inspectant constituents of the operiously mentioned shrematis awy chrometic key should not be available theoretically, as it it is actual comparison. We are thus able to estore the beards of random transity he the inclusion of the such shord of resolution days not by thethemral resilton erpetition, or by the aid of vacceeding chords confirm the key duronds that we can pressde an explanation of the so-called apprented sinths. Sir Habert Parry says in his article on Harmony in Grene, " that the auronated with is mohably asthing more than the middlication of a melodic progression of one of two parts." Easitly so; all harmosic combinations may be said to have existented in like manner. It is lose to some extent the association with liver redenteran combination, to consider the same to all intents and purposes been pessible in their evicinal combine. Let me refer you to Ex as We have here to the first and last instances (reached why definite chierds, not more melodic reconversion instead of considering then from an exclusively contraat proposited in the rants. Before some further it marks be

Canots or run Theorement.—I are some that the Connectual school, is connect work some of our object theorism, deput the columnon of chools of the interacts. In such a case if seems any processary to take that to take a perfers only of the function schools of thick, built up to the dominant of any key and to report the rest, appears to me a measured a strikturer eccentration.

It is accountly to measureduct that Harranny, as we undermode it, areas "from a combanitor of melodies sounded simultaneously." The accompanyonet of a melody, fort by octaven, fifth, fourth, and threat, provides meconitive take in the evolution of the harmonic menture, and the androit

superinguestion of throch, as he na was managely possible, we day a nonstant sharpy monositions starying out of the we day a nonstant sharpy monositions starying out of the Monositian starts at the start was started and the second starting and using generally by the latter, It ary case, it is also and a starting start of the latter, It ary case, it is also and a monositiant rest, that he consistence comes a performance of the starter of the starter of the starter of modes an accurate starter of the starter of the starter of modes a consistence of the starter of the starter of modes a consistence of the starter of the starter of modes a consistence of the starter of the latter of the starter of the starter of the starter of the latter of the starter of the starter of the starter of the latter of the starter of the starter of the starter of the latter of the starter of the starter of the starter of the latter of the starter of the starter of the starter of the starter of the latter of the starter of the starter of the starter of the latter of the starter of the starter of the starter of the starter of the latter of the starter of the starter of the starter of the starter of the latter of the starter of t

Duss. Trustransvers.--It is possible that some 'prejudice may exist against the idea of dual ideatity, or medality, an shown in whit I would fail the dual ideatory.

It is, however, at least as consistent to berrow a menor thirteenth to use in a waywe shoed over the same root, as it is to berrow what by coartesy reight be called using diacond for chorecally use or the more mode. (See Ex. to)



It is made only another example of duality of kay or mode is modern remark a kay must now be considered to considted to be a straight of the second straight of the second stat if a the remarker of leasemines.¹ In the form of the dual relative thisteenth and regree rists, that reprises a mode constraints of the construction of the second superstation maths. Thus it is a guessian, not of a dual seet, but of a dual node to be a superstant of a dual seet, but of a dual to a straight of the second seco



Augensized Sarra.-Yes will notice that the first chord eiven in Eq. 1) is a form of the range thericenth with a

dominant scenarb. Gran the root, and you get a kind of suppressing which intelfse to be Prench form, how which the much. This is imparators, as aboving the connection between the cheed of the thrintexth and the suppressed attrib. For the safe of comparison 3 grow, in Rz. 3), the outgaring taken with and threads, first which the root, there with the root on the second and third having, these with the risks and threads of the entropy of central shoring and the main and on the second and third having an transmitter of the Pranch form.

Below are enamples of the sugmented sintle belonging to the key of C, as formed from the occurs key and no dependences for Re. y_{c} . The muthel 1, C is denote the finalize, German, and Foreach forms of the edged, and is each size the there is resolved into a chord derived from the control much. The false results of the sizeh is given in breakers.











grand and a logo a

Brandett,--Aug maths appear on C. D. F. G. A (all Denotes neuro mompt the ideal and secretific and on DP, OP, 40, 80, (all denoted series ensure the flat Olefs).

Chromotician " in Harmony.

It will be sould that the first dual of each acception to the ord bulk of the sould that the first dual of each acception to the ord bulk, however, is listed of the horescene bits which of the dual of the dual

ladesolu core this short-

6 %

the sugmented with on the soft dominant su readving tale the keys of C, A minor, D manor, and F major, as in Eu 35-Re 18.

64	1.8	14	8.	18	18	18 61
0 7		145	10	2181	\$~	1 50
Key C		A Minut		D Monge		F Mont.

The new in Casicalities with No 1 of Ex. μ_{1} . No 1 storm, each to be the control in the set of the Barth, No, coloridate to be the control in the Barth, No, coloridate to the the set of the the Barth, No, coloridate to the the the gravity store. These net variable, it is predented as a their gravity store. These net variable, it is never that a coloridate the theory of the the set of the the theory of the the the theory of the the theory of theory o

It is necessary to point our that as the form of the German sinth might be considered as synonymens with that of the dominant severals, it is nonetimes necessary to him the detailing at the real chromoto towality in paining, as in Ex. 95 (a) Where no mark host it reness, the man allowed

"Ctremtheim" in Harmour,

related towardly in attributed so Ex. yh(b), the key of the flat third being measure than that of the flat second.



It is inserting, to take the that we have available, as in Res. 14 and q_{\perp} , obtained by the theorem of the theorem of the theorem passed that the trapped characteristic weaks. Objections a neuronal model that its descent at sevents. This, of easiers, is every so concording (so proceedings as q_{\perp}). This, of easiers, its seven that the theorem of the trapped sevents and that of A descent accurate h. This, of easiers, its seven that the trapped sevents h. This is a seven to model that demonstrate events h. This is a seven the model that demonstrate events h is the future are decrease forces, there instances exercises h is seven the transformed of the trapped in the trapped sevents h. The transformed is the trapped in the trapped sevents h is seven at a descent a sevent h, under the η_{\perp} to the transformed h is seven that the trapped sevent h is set of the trapped sevents h.



The persong note G on Ex, sy (a) suggests that the chord is a dominant seventh how the key of the fait second rather fibes a German sight (free the fait direct) bench the key that argumented in not so manly related. In Sc. 39 (d), however, the development of the isolation of the transmittent state of the second of the fact that the constant of the fact of the fac

Before occaleding this section, one might point out an interroting repolation of the surrented with in E1, 20, in

ci i

which the maps minih becomes sensor, and also detect attention to menachable instances of the augmented shith by Schubert, Lingt, and Onde, in Ea. 45.



Fieral BA

It is the hilds of same descripts a made such checks as the argumented and in the halt cannot be propagations more strained in the perparts. It is havened, note constrain the probatest should be given to a horizontal anglestical scalar and the should be also be also be horizontal anglestical scalar and a solution to give

Concessive Resecurptees.—Some objection might be made to the upward resolution of the minor thirteenth, as shown in the chocods of the as-called sugmanted work, but if the following resolutions of the seventh (ar Ex. 30) match "Good" and unthorized by Indonuch, be allowed (and birth



"Circonalician" in Harmone.

semm to be no doubt of their good effect, possibly their may be no objection to similar resolutions of the mean thirteenth, in which the dominant influence may be add to be less strong, especially when a more change of mode, as in Ex. 40, necessions the mining of the thriteenth.

Modern practice indeed series to be somewhat indeferout to the developed of the second of the second and higher discords, as long as it is by step. This, here even, applies to non-coloritatin positions. Where is thereory even are to an even of the second of the second of the second the other appears to be board by the administration and the other second to be board by the administration.

E0 42-



In the latter example the mirste thirtcouth in the puise of the augmented might resolves by step, and the seventh in each

case resolves by leap ; in each example there is a cadential effect.

No doubt the planear of the false notation used in the past has much to do with any objective to these apparently contrariwise resolutions, which contrapontal engencies and new chromatic relations have brought about.

Fass: Notaries. In Dip. Budge and Sawyer's excited book on Harmany the influence write appear. "We address of an accident is a use of a cool frequency groups the standard direction advection of hind tests..., "Despectively, which which there are save a stillage, as here gives, a cool," in the chood mentioned . Mai is providely represented as a dama says in budgements.



in order that the upward resolution may cancels with the transpresences of des. We are foreflite with examples of what is called expedient false neutrino, in which the us-called supercoses and bools misar should "in other written as thiveging it were the chosenaically-altered non-inset," as an Ex. 45



In No. 4, the tensor screenth also is algored, and the allogs affect the tensor screenth also in the game of an apparent of the scatter of the screen screen screen screen screen is accidental. So displayment to near angle and reflind derivation of the sheet.²⁴⁷ Due son having production of their scatter is allott accidental. These camericans of their scattering

* Tribly Callege Top Deek.

21t

large, but substantiable the nuture does not set set theorem. The hashed of earliering the evolution of the left set of the set of



in which the ming minth is marked by a sharp, the follow such by a field. Therefore, in the interest of connect constains, it is grantly to be desired that, in the sporad resolution of a miner discord, a chromatic and bot a discord section a should be used. Indeed, there means to be spore spotod version to the upward resolution of any miner discord, for instance athe upward resolution of any miner discord. For instance a-



Write no objectives would be related to Europy, No. , as second of the downword resolution of the mission result λ , flats, as soon as the A flats mass, as a No. 5, demands would predailing be made (that the A flat models the transferred target of classry, through 1 is difficult to see how the calor matrix of classry, brough 1 is difficult to see how the calor matrix possible to be rightly. So, non, however, allow that it is possible to be rightly on the N site of later that the second or the N site of later that the right of the difficult to see the classretication suggested to dispute the number of expectation of the second or the second or the second or second or second or second or second or the secon

verbinas this of ceners for set berr out its use of its precisely boots in the linear stay of using highlin accusate in the start of the start of the start of the start of the creating applies to the acquescient field however from the individual data and the start of the start of the the start of the start of the start of the start of the the start of th

* Where

I used hardly teach on the question of the falls relation of the so-called supported with, since it is due to the relatedentiating of the total relationship, and in the rare cases where it is right-with the following campits fourlianhand Hangmun Dances (Ex., ap) and Gades "Crameters" vocal users (North's Octower Zelless, p. 4) (Ex., 4) and it. Ex., (J--Lit probably a question of conventioner or expediency of stations.



Are storen to the start of the frequency encours in a point of a set the test of the start of the start, the start of the



Again, in the following extract, in Ex. 38, from No. 7 in Gades "Crossders," the G sharp, if webton as A flat, would come from a sensewhat nearer lawy (Ver. 7 tables), but the authors effect of the context to that of A minor, therefore the analytics as seven in correct.







Construct, Events.—In the sortion on "Chrometer Resolutions," and in that on "Fulke Notations". If have irreated of the effect of the underse is defining the Averafy of dearbild discrete, and Havens of the effect of exclusion in novement on the availations of some of the higher function. Suppose we investigate for a moment the principle of this "codential effect." In Els. 91, as we have the plant plaque adameter, in a





the effect of the cadence is still strong enough to make one overlook the above upper part; in c the shord assume what I would call as indefinite dooringer assocr-that is to

"Ckreweticize " in Manuery,

e.g., a dominant, screening, the travelity of which is shift provided the set of the se

We can be represented as the set of the set



Chromothesan " in Hermony.

Haracone Supervise.-The principle of harmonic substitution can be sold to exercise in various wave --

 In the transforance of a discord, such as a seventh or minth, to another part of an adjacent chord derived from the same root.

a. The substitution of one discord for another in adjacent cloreds derived from the same root.

(a) Without alteration of the polition of the chord.
(b) In spother position of the same.

For example of (a) are the following, in Ex. 56, from Grieg's "Wetchengen's Song," and has " Ballade " .----



In the latter example the substitution of the major ristly for the third by step angle he taken as an arverse presetioner of-



For comple of (b) so extract from Chant by Baraby, En. 57 :--



3. Harmonic substitution in the base of tonic or dominant (a) for each other, or (b) for a note of a short derived from a digitrent root.

"Caremalacase" in Harmony.

For an instance of this use Ex. g3, s, quoted by Nn. Hadow, m which a dominant is substituted where tooss might continue, and the source from Schumann, m Ex. g6, s, where the dominant B flat is solarizationed for C flat.



4. Temperary substitution of a concord for a discoul, as an an ornamental resolution.



FALSE RELATION .--- It is admitted that false relation aris from "confusion of treality" is not caused by accidentain taken from relation know, that in to say, the effect is not caused by any recorningl chaptering chood, The centr of false relation occurring, as it generally does, between make and minor cheeds derived from the same root may be, as Eightings fasts it, that we are "descend into the bekef that note only speers and of twee." What concerns us, however, is that made excision start the treberesate rote" referred to really represents a chemistic check controlately, when that cherd sets up a medulation. I hold that there cannot be any effect of false relation, because there is no confusion of key. "Confusion of tonality" can only arise when there in the sense of honoring between two less. There may be chromatic note, but no " contasten " if a definite made

Jakkmahn only allows a " errors relation " is pure four perweiting where there us a modulation, simply horizon in their the samily morphical disconting channel do not net up the effect of fails whites. One might, conversely, doknotren that that new focus chood which can be intradered

23.3



without that effect might he dudy classified as circonatic, and that not for that reaces only, hat because it is an easily followed by a diatonic chord as it is preceded. See controls—



Following Dr. Day and Sr. G. Mochares, some theorists ablew that these in * ino had differ when the during differ first chard is other the next or the fifth of the second about," the sound of which rais is that we have the following therein, derived from the common therein of G, as not conting false volation, each of which, according to the shore represent, 1 minimum theold be classifiable as chronosite on that very serviced in:



The should walke brackets are the core from which the enanging are worked not

It is probable that the rade works out further than the studen transfer (it ;) is any case, according to the above finding, no invest than seven of the shows choids any surreception do schemarin by followyrs of Dr. Dray, while the first three are incompatible with a system which is knowled on an accessital holds and the twelve-schemaria scale, as they can individually be used without extrange finantization. The obstance of the state of the state of the states, and these three go reset to exclusion finantization.

Our scheme necessarily widees the codinary view, hat m all cases the are must decide. Constants Neutron—Th has been capitomy to call the desimetric discontent of the target it is denoted, indentential discontent of the target it is denoted. In more than a comparison of the call-angle benchmark of nodern transity would call on the call of the target of nodern transity would call on the call of the target denoted. The target is a second that the target denotes are applied on the second the target of the denotes. The target is and the target is and in cert we target and the second the target is noder more than the target and the second the target is noder more than the target and the second the target is noder more than the target and the second the target is noder more than the target and the target is noder the target with the second target and the target is noder in the target with the second target and the target is noder the target with the second target and the target is noder the target with the target of the target and the target is noder the target with the target target and the target and target and the target is noder the target with the target of the target and target and the target is noder the target with the target target and the target and the target target and the target and target and target and the target and targe

6 *** || *****

Thus the plus of antipris advocated in net according to real or ground nate, nor fulfiling assumption of choosestic aboration of notes, but according to the tonsisty of the larnding element. To assumate the whole ---

"Circustician" in Revenue.

evolved, which, which the shift of indicative direct, accounts for the intropole resonance of lighter direction, experting supervisely, means of distinguishing the lower of an evolution of the direction methods. (1) The principles of swheth and however admittables uses are forthe, (1) It is shown that there every any single check and accounting the whitman under the small direction of suph phenomenon can be accounted forcements; and the light (1) direction direction of theorements; and the light (1) direction of the direction direction of the large (1) direction of the large or direction of the direction of the large (1) direction of the large or direction direction of the large (1) direction of the large or direction of the direction of the large (1) direction of the large or direction direction of the large of the large or direction of the large of the large of the large of the large or direction of the large of

interest to what is necessarily as abstrate subsect. With mened to the summary and classification of thromatic harmony, which I have put before you, allow me to reiterate that the results of the acharas should not so any way affect the social student's course of harmony, but rather be outadered as suitable for a philosophical aftercourse, when the why and the wherefore might be appropriately dealt with; na tier, in the recention of whit sought be called " contray an article by Sr Hebert Parry in Greev, in which perchible, and what is instrumble is only relatively so richness of combunities . . . , and of enlancement of the bounds of the keys, so that a greater number and variety of then. Mr. Charrowan, Ladies, and Gentlemen, I shall be cells too pleased if my efforts may have done semething towards presenting a clearer view of the wonderful co-relationship which characterists median ton date.

DISCUSSION.

The Granuxon-Our first drip, which in this a pleasers is to thank 200 wherehy for his very learned appear on a way obstrue subject, and we have particularly to insuk him for list instants marking his paper at such short testes. With regard to the webget, I works a large no particular theorem by the mostline of dependent but sourchman we holds parallap. For instance, in the class before us, considing of the most indexistic us marked I short. As

highmit note is doubless theoretically E flat: but in sense cases the context or the resolution reght make not there of it and write it as D sharp simply as a matter of one and feeling. If any lady or pertinents has any observations to make on the solution we thend be very data to hear them.

We restrict the state of the s

Then the first thing we get from that is a major scale by selecting the notes---

TR' TR' TR' TR' TR' TR' TR' TR'

in which the arrangement of tones and semitones is perfectly clear. In the same way we can get from the same series any choid we want—e.g., the mapper trad the tones, which we now recovered in the same and series—



Similarly, if we substrate TR⁶ for TR⁴, we get the maner tense trade. If we like we can refer everything to the totic. In that way the dominant chord would be represented by---



If we adopt this equal temperament system we get everything in startic forms--twolve potes, twolve layer, twelve mint

values, twelve minor scales, twelve major triads, twelve minor trade, and so on. The only thing of which we do not get twelve is the durarished seventh clearly, of which we entry ptt three forms, because every other form is meanly the inversion of one of the first three.

It seems to me that if here natures were summarized neutronic operations of the second second second second second artics. For instance, with regard to the question of longcentrally from the qual tangement strengthen there are centrally from the qual tangement strengthen there are other longs which are nearly related to it, and easy three which are memory related to it, and easy three which are memory relations the suggestion, shall be provided in the second second second second second which are memory university in the conduct same of here expression.

Mr. Wervmark---All I have to say about it is that considered the subject in my paper from the present standpoint. If one could arrive to experin the acoust number of keys to review, it would introduce my say were interacted by a start of the start of the start of the second review.

Mr. Treaswata.—I have stadied the question of temperamer confairly, and it seems to use this parcically the whole of more is bested upon regal temperatures, and if it is as that the twelve-key theory is the true theory, and the effective number of keys theory is not true, and it strety must be for the good of mask: that what is the true theory about the tweendow mercipited.

Mr. Statuum-Bar sately when you come to an instrument with chargeshie notes like the visite, you cannot say it is based on equal temperament. The violant plays according to feature, and not according to theory.

The Gaussian-The certain bases the practice of violations in contrary to theory—of a Macestically C abary in lower than A field, but the violated meanly physic hamper is its interaction of the certain of A. The difference in very slight, but is serve, a leading note ap a lutile certainly does near to put more inguitances unto J. Chart with certainly does near to put more inguitances unto J. Chart with a subder does be a server in the server in the J. Chart with the second prior of the server hand when they are singing unacceanpased , and it they do not, their pitch fails.

Mr. Terra value.— I thenk thus has reform evelope only to do with the number of the second second second second second second the second second second second second second second second individual second second second second second second second in second secon
"Circucticius " in Hermony.

intensition, apparently almost every one has got his own parfocular theory, and ware unrely heiter off with one standard than with several different standards, an which every man is a have to humadi. I understand that the volcaus can produce occurs effects, and bearthful effects, by monolying cortain notes to pione the car, but I think that is no subtrice and and a summitive primitive.

A vote of thanks was then passed unacceptaly.

239

APPENDIX.

List of Contents for the last two years of the publications on the International Maximal Society.

> 3. Lepin, F. - Yann D. - Games, I - Bains) ZEITSCHRIFT (Monthly Journal)

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